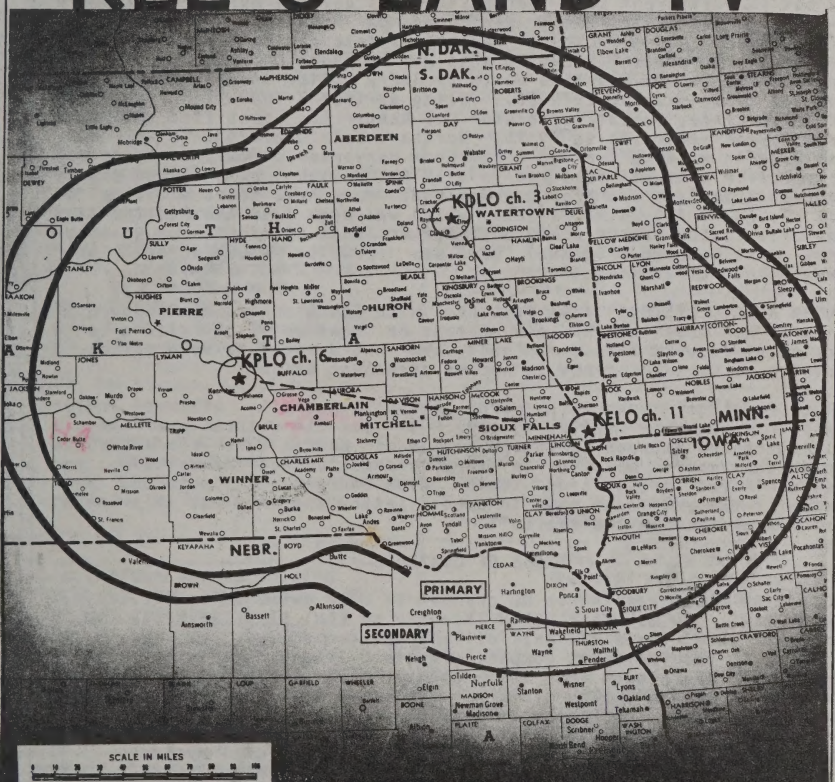


Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

JANUARY 1990

KEL-O-LAND TV



KELO-TV

KDLO-TV

KPLO-TV

Channel 11
Channel 3
Channel 6

Serving a Four State Area
SOUTH DAKOTA • MINNESOTA
IOWA • NEBRASKA

From The STAFF

F2 MUF RISES ABOVE 55 MHZ!!!!...What could well have been the best 48 and 49 MHz transAtlantic and transPacific video signal DX activity ever observed took place in late November. Several DXers have now positively identified European TV; Some have even managed to make videotapes and photographs. Hopefully we'll be seeing some of these photos, and reading more detailed reports in upcoming issues. What follows are just some of the highlights. Northern Florida's John Combs (with the kind help of German DXer Ulrich Onken) has IDed not one but TWO different West German stations using a multiple standard TV--a hot commodity among dedicated DX enthusiasts these days! Illinois' Jeff Kadet notes a variety of fascinating signals in his WESTERN TV DX report, INCLUDING what may be signals of African origin (Rare African video was also noted by Jerry Pulice in New York in the previous cycle peak in 1979-80). Using an ICOM R-7000 with a modified video interface, Seattle area DXer Les Remmer has identified 625-line North Korean newscasts on 49.75. Northern California DXers, including Russ Ward in Redding (using a homebrew converter circuit designed by Jerry Pulice that was featured in a 1979 VUD issue) have viewed ghostly but recognizable video from New Zealand. Many have noted activity on U.S. channel 2 (55.25 MHz video), which was open from the Pacific time zone area to the Northeastern U.S. for at least 40 minutes on November 20th. The 6-meter (50 MHz) band was open for hours across North America that afternoon!

COLUMN NEWS...EASTERN TV DX is back, with Ron Stock as a "temporary" editor. He asks that no new reports be sent until he clears up a backlog of reports already on hand, and has decided to hold off on a decision on whether or not to become permanent editor.

BITS...From Ron comes this word: "After January 1, will no longer reply to anyone who writes to club P.O. Box 514 without enclosing a self-addressed stamped envelope...this of course does not apply to those non-members writing in for information on membership...and please, if you are writing to the club address, indicate who your letter is for. Hate to have to open a letter and find out it's meant for someone else on the staff."

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Thanks to Dr. Bruce Elving--who provides us with more coverage maps than anyone else--for the one on this month's cover!

Television news

Bill Fahber, editor
336 Atlantic Street
Bridgeton, NJ 08302

JANUARY, 1990

ABBREVIATIONS USED IN THIS COLUMN:

AATm	Height (meters) above average terrain
AG	Antenna height above ground
ASL	Antenna height above sea level
AZ	Azimuth (North=0°)
BT	Beam Tilt
CIR	Circular polarization
CP	Construction permit
CRTC	Canadian Radio-television and Telecommunications Commission
DA	Directional antenna
ERP	Effective Radiated Power
FCC	Federal Communications Commission (USA)
HOR	measured along a horizontal plane
MAX	In the direction or elevation of maximum signal strength
MP	Construction permit modification
TL	Transmitter or tower location
+	carrier frequency offset 10 kHz above standard
-	carrier frequency offset 10 kHz below standard
z	carrier frequency not offset

APPLICATIONS FOR NEW TELEVISION STATIONS

ST	CH	ERP	AATm	CITY/APPLICANT
NM	3	24	31	Gallup; KOAT Television Inc.
TX	19	229	222	Nacogdoches; Radnor Broadcasting Company
WY	9	1.78	291	Sheridan; SJL of Montana Associates

APPLICATIONS DISMISSED

AZ	Phoenix; ch. 61; Sun World Communications Inc.
AR	Little Rock; ch. 42; Capital Communications Corp.
PR	Yauco; ch. 42; Yauco Television Broadcasting.

CONSTRUCTION PERMITS GRANTED

ST	CH	ERP	AATm	CITY/APPLICANT
AR	42	5000	233	Little Rock; Leininger-Geddes Partnership
MS	51	5000	440	Jackson; JAM Communications Inc. (summary decision)
PR	42	1000	600	Yauco; Maranatha Christian Network (WIRS)

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST	CH	ERP	AATm	CALLS	CITY
AL	63	2000	120	WTSU-TV	Montgomery (amended)
CA	29	4608	321	KCMY	Sacramento
FL	9	316	150	WKEB	Islamorada (ex-WIEB)
NE	17	1213	240	KTVG	Grand Island (amended)
PR	42	1500	853	WIRS	Yauco (new permittee)
TX	55	3012	142	KLDT	Lake Dallas
WV	29	4505	525	WKRP-TV	Charleston
WI	57	2518	317	WJNW	Janesville

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST	CH	ERP	AATm	CALLS	CITY
AR	51	200	140	KFAA	Rogers (cp)
GA	29	5000	350	WDCO-TV	Cochran (mp; ch.15)

CHANGES GRANTED STATIONS ON THE AIR

AL	Montgomery; WMCF-TV, ch. 45 (applied for call letters WCCS-TV); granted license to cover CP for changes; ERP raised from 250 kw max to 700 kw max (the CP called for 600 kw; must have been a modification or amendment somewhere which I haven't found); 314m AAT/317m AG/372m ASL (also slightly amended; reduced 214m ASL); TL 2.4 km north of the intersection of Burbank Drive and U.S. Route 80; coordinates 32°24'11"/86°11'48" (about 1.3 miles NNW of former TL).
GA	Chatsworth; WCLP-TV, ch. 18; granted MP for changes; ERP to be raised from 631 kw max/44.7 kw hor to 5000 kw max; 565m AAT/93m AG/921m ASL (7 meters lower); same TL.
LA	Alexandria; KLAX-TV, ch. 31; granted license to cover MP for changes; ERP reduced from 1619.8 kw max to 1290 kw max (MP originally called for 1320 kw max; I don't know why this change); 333m AAT/313m AG/382m ASL (269m higher ASL); TL 2.4 km southwest of Dry Prong; coordinates 31°33'54"/92°33'00" (Az. 357° (north) 17.58 miles from former TL).
OH	Lima; WL10, ch. 35; granted license to cover CP (granted four years ago) for changes; ERP raised from 503 kw to 661 kw max; Antenna height reduced 8 meters to 195m AAT/159m AG/424m ASL; same TL. Doesn't look like anything noteworthy.
WV	Huntington; WSAZ-TV, ch. 3; granted license to cover CP for changes; ERP reduced from 46.8 kw to 42.7 kw max; antenna height reduced 18 meters to 388m AAT/308m AG/616m ASL.

CALL LETTER GRANTS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
FL	21	WTCE	Fort Pierce; WFET
FL	9	WKEB	Islamorada; WIEB
FL	57	WTLL	Live Oak; WFXL
FL	16	WFET	Marathon; WKEB
GA	54	WFXG	Augusta; Augusta 54 Broadcasting Company
LA	45	KCDN	Shreveport; Word of Life Ministries Inc.
MI	19	WUAA	Marquette; Upper Peninsula Telecasting Corp.
NC	64	WKAY	Kannapolis; WDZH
PR	42	WIRS	Yauco; Maranatha Christian Network
TX	16	KVAW	Eagle Pass; KEGC
TX	65	KJLF-TV	El Paso; KZJJ

CALL LETTER GRANTS: EXISTING STATIONS

ST	CH	CALLS	CITY/APPLICANT
GA	31	WFXL	Albany; WTSG

NEW STATIONS ON THE AIR

- MI Cadillac; WGKI, ch. 33z, went on the air 10/11/1989; 61.52 kw max ERP; 404m AAT/296m AG/802m ASL; TL Park Lake Road & Dighton Road, near Cadillac; coordinates 44°08'51"/85°20'35"; independent station; address: WGKI Television, 202 Stinson Street, Cadillac MI 49601.
- NV Las Vegas; KFBT, ch. 33+, went on the air 8/1/1989; 1349 kw max ERP; 581m AAT/53m AG/1370m ASL; TL 1.66 km northeast of Black Mountain; coordinates 35°56'44"/115°02'31"; independent station; address: Channel 33 Inc., 3840 S. Jones Boulevard, Las Vegas NV 89103.

CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS

- AR Gosnell: add *46z. (not subject to freeze)
- AR Jonesboro: add 48+. (not subject to freeze)
- CA Bakersfield: add 65+. (subject to freeze)
- MN Thief River Falls: add *30z. (not subject to freeze)

FORUM

Continuing **MICHAEL PARKS** (Amery WI) from last month: "K25AS, Eugene, OR, which goes by the non-ID of KSLR-TV, became the first LPTV station in the country to be listed in TV Guide when it was added to the Oregon State Edition as of the July 29, 1989 issue. Associate editor, Eileen O'Malley Spangler, said they decided to carry the station on the basis of the availability of their signal to a 'significant number of people' and a programming lineup that 'readers seem interested in.' What that amounts to is that K25AS is carried on a large number of cable systems and is a Fox affiliate.

"Lastly, a couple older items which I haven't as yet seen mentioned in the VUD: KTCI-17 was granted a license in March 1988 to cover their change in ERP to 141 kW a few months previously and WQRF-39 became a Fox affiliate on Saturday, January 7, 1989."

Now we start this month's mail with **ROY BARSTOW** (Teaticket MA), who writes, "On Sept. 7, 89 PM. EDST, [Nova Scotia] coming in again and MITV (CIHF-TV 8 Halifax, NS) on 9, 18, and 20 picked up. Being on R.I. I got program info and sent off another try for a verification. They sent back the listing of their stations and some adhesive stickers of their MITV logo. On the envelope it says New Brunswick Broadcasting Co. Limited, 14 Akerly Blvd., Dartmouth, N.S. B3B 1J3 plus their MITV logo.

The following is a list of MITV station sent from Roy (Antenna height is in meters above mean sea level):

CALLSIGN	CH	ANT HT	AVG POWER	LOCATION
CIHF-TV	8	272.8m	10.8 kw	Halifax NS
CIHF-TV-1	11	268.0m	9.0 kw	Fredericton NB
CIHF-TV-2	12	465.0m	18.3 kw	Saint John NB
CIHF-TV-3	27	473.0m	108.0 kw	Moncton NB

- CIHF-TV-4 18 262.7m 6.0 kw Truro NS
- CIHF-TV-5 20 322.0m 125.0 kw Wolfville NS
- CIHF-TV-6 9 258.0m 6.7 kw Bridgewater NS

"I had to agree with John Combs that stations just don't send out verifications like say, 10 yrs. ago. Sometimes if you wait say 1 yr, & you do pick up the station again, the personnel there may have changed and you may get lucky. I have found that if it's a new station on the air, your chances are better. Myself I don't bother too much about verification anymore. Just picking up something new is enough excitement during the opening. Yes the bug is there."

"On Sept-8-89 picked up on chan 22 WPVI (6 Phil[adelphia]) s/off 0310. Must be a new translator?" Can't figure that out. Obviously wouldn't be anywhere within range of WDAU-22 Wilkes-Barre. It's not in New Jersey.

"WHRC 46 Norwell, MA not seen here in more than a month."

"On Oct 24, 89 N.C. and S.C. booming in. New ones seen, 62 WFCT, N.C., 42 WTVI N.C., and 46 WJZY N.C."

"I have not seen WWAC 53 N.J. in any openings toward south in last 3 to 4 months." (That's nothing. I live 42 miles away from the station and I can't even get a trace of it. -wbf)

JOHN ZEIS (Exton PA) writes, "In Washington, DC the Univision translator/LPTV has switched from ch 14 (W14AA) to ch 48 (W48AW), I assume in anticipation of the future DC full service ch 14. Also, the ch 42 LPTV, W42AJ, is now on the air with the other Spanish network, Telemundo.

"While others have written about the very limited coverage of VHF translators, I have the opposite problem at my location. Since W08CC, Hammonton, NJ, (W08AC? -wbf) moved to the WNJS tower, it has become a major pest. Although only 500w ERP and 48 miles distant, the video causes sufficient CCI to make WGAL Lancaster, a full power station 51 miles away, almost useless. Depending on antenna orientation, either station can be seen with heavy CCI, but only WGAL audio can be received." Don't complain, John. They're airing Channel America now; that makes channel 8 in South Jersey TOTALLY useless.

"WBRE, Ch 28 in Wilkes-Barre, is finally back at full power after its tower collapse last winter. It was never seen in Exton while operating on low power. WNUV-TV, ch 54 Baltimore has significantly reduced coverage since making facility changes a few months ago. Formerly the strongest Baltimore UHF, and often better than the VHF's, it is now much weaker here in Exton than any station except WMPB, ch 67.

"In addition to the stations you have reported, I have seen references to the following stations going dark: WHNT 21 Concord, NH CBS (noted in 'Broadcasting' in the spring 'first CBS affiliate to go dark in over 30 years.'), KFNB Casper, WY ABC suspended operation 4-25-89. WLKT Lexington, KY suspended operation 7-7-89 - listed as temporary.

"For anyone interested in the Television & Cable Factbook mentioned in the September column, I can provide the following. Published by: Warren Publishing, 2115 Ward Court, NW, Washington, DC 20037. (202) 872-9200. Issued annually in two volumes: Stations (of most interest to DX'ers) - around 1 January. Cable

and Services - about June. Cost: 1989 \$325 + \$10 shipping (both volumes - not priced individually). **UNKNOWN:** How tightly is distribution controlled, i.e., is WFTDA membership or a school association adequate? Association with a company with any broadcast or cable involvement would qualify. When the 1990 stations volume is issued, will 1989 books be available at deep discount?"

I can just about guarantee that they don't discount outdated books. As far as distribution, I do know that they ask "name of firm" on order forms, but I suspect they just automatically assume that only companies or businesses are interested. Since it's emphasis is on advertising, I suspect that anybody who owns or runs a business would be eligible to purchase a copy. Even libraries have copies.

TOM YINGLING (Dundalk MD), in a phone conversation confirmed the two Washington DC translators mentioned above, W42AJ (Telemundo) and channel 48 (Univision). He also said that WRC-TV, ch. 4 in Washington plans a power boost, circular polarization, and doubled tower height.

JOHN COMBS (Jacksonville FL) forwarded me a few articles last month, and somehow they got misplaced when I did last month's column. The 10/13/89 *Fort Lauderdale Sun-Sentinel* reports, "Three new public television stations have been created by the Palmetto Foundation, a non-profit organization underwritten by Palm Beach Atlantic College. The stations will be run by the foundation, which operates independently of the school, a four-year Christian College in West Palm Beach. The stations are: * WKEB-Ch. 9 in Islamorada, scheduled to begin in fall 1990 with 'Hispanivision' programming aimed at Miami's large Hispanic community. The station should be visible to viewers in south Broward County. * WPPB-Ch. 63, scheduled to begin broadcasting from Boca Raton in spring 1990 with a format called 'Second Season,' day-long programming geared toward south Florida senior citizens. * WTCB-Ch. 21 in Fort Pierce, expected to air next month with educational and news analysis programs."

The 10/14/89 *Palm Beach Post* reports, "WTVX Channel 34 in Fort Pierce is 'seriously considering' moving to West Palm Beach, the station's general manager said Friday. 'If we do it, it's going to be within the next nine months or a year,' Jay Oliver said. "If 34 heads south, the move would leave the Treasure Coast - Martin, St. Lucie, Indian River and Okeechobee counties, without any locally based commercial television stations. Channel 34 would become the fourth commercial station based in the West Palm Beach area." "About 71 percent of the more than 510,000 TV-watching households in the Palm Beach-Treasure Coast market are in Palm Beach County, according to market surveys." "Channel 34's administrative and production offices are in Fort Pierce, but the station has a sales and market research office in West Palm Beach." "The station's broadcast tower is west of Stuart, about midway between Fort Pierce and West Palm Beach. Even if Channel 34 officially moves to West Palm Beach, it will probably retain production and other offices in Fort Pierce, Oliver said." The question was raised, how can the station move without changing its allocation?

That answer probably comes in a recent FCC ruling that allows a station to change its city of license and channel assignment. But this article isn't really clear on what the change is. Changing the location of a sales office, studio, transmitter, city of license and channel assignment are five different things.

The 11/23/89 (Thanksgiving Day) *Atlanta Journal and Constitution* gives information on a future DXer's paradise, TV Marti, which is bound to turn millions of Cubans into DXers. Maybe we can promote our club on the station. "The next point of contention between the United States and Cuba probably will be a balloon tethered 10,000 feet above CudJoe Key, a small island in the Florida Keys. Starting Jan. 1, the balloon, which actually will look something like a floating blimp with fins, will be used to bounce a TV signal from Florida to Cuba. If the experimental technology works, TV Marti will beam U.S. government-supplied news shows into the homes of millions of Cubans, bringing words and images to an island where television has been controlled by President Fidel Castro's government.

"Congress has approved \$7.5 million for the three-month test of TV Marti. A firm decision on what programming to use has not been made, but Voice of America spokesman Joe O'Connell said it probably will include some original news shows produced by VOA as well as TV news in Spanish from the Univision network. The technology is unproven. The editing studio and transmitter will be on the ground, and the signal will be sent - technicians hope - from Florida to the balloon to Cuba. A TV signal is more delicate than a radio signal and can be jammed more easily. If the test is successful, the Bush administration wants Congress to approve a \$32 million operating budget for two years of broadcasting." "...opposed are the National Association of Broadcasters and various Florida broadcasters who fear that the signal - and possible Cuban efforts to block it - may interfere with TV and radio reception in the United States."

"The Cuban government already has launched electronic signals that might complicate reception of the TV Marti picture. Some signs of jamming have been visible in Miami, where viewers temporarily received Cuba's channel 6." John Combs commented "probably just tropo." John also comments, "Same system used to experimentally beam Miami TV to the Bahamas in the 70's! It was on ch. 11 (1 kw ERP) w/the unlikely call of ZFHQ61"

PAUL GAINES (Detroit MI) also sent an article about TV Marti from the *Detroit Free Press*. "Nervous about changing relations with their Soviet patrons, Cubans this fall are also bracing for a dispute with the United States. Officials are angrily awaiting the first broadcasts of TV Marti, a news and entertainment show sponsored by the U.S. Information Agency. The USIA says the program will begin a 90-day test period in early December, beamed into Cuba from south Florida. Foreign Ministry officials warn they'll retaliate by broadcasting programs into the United States, which may jam domestic shows. Cuban officials were equally upset three years ago with the start of U.S.-sponsored Radio Marti - like the proposed TV show, named after Cuban

independence hero Jose Marti. The show, which is unfailingly anti-Castro, has won a wide audience with Cuban music, soap operas and commentary."

FRED McCORMACK (Fargo ND) writes, "I have a couple of comments concerning Paul Gaines' units mentioned in your November column: (1) The channel 24 TBN in the Chicago area is W24A1 at Michigan City, Indiana. I have had quite a number of loggings of this one reported to Western TV-DX. (2) Paul may be correct in reporting a TBN on channel 39 at Marion, Ohio. I have no knowledge that it relays TBN programming, but according to my records, W39AQ at Marion, Ohio received its license on July 13, 1989 and is owned by the Central Ohio Association of Christian Brothers (or Broadcasters, according to one source!)."

"With regard to your question about what FSK means, it is frequency shift keying. With that type of modulation, information is transferred by shifting the output frequency between predetermined values. In the case of a morse code ID, I believe only two frequencies are required. I occasionally hear morse code ID's over translators, particularly when a beat frequency is already audible due to co-channel interference."

FRANK ADEN (Boise ID) reports, "As I noted on my last letter our LPTVs on 10 and 43 are now running [Home Shopping Club]."

"KPVI answered my letter about the new ch. 12 translator in Idaho Falls. Call is K12NZ and is running 10 watts."

"I have been doing more research on the history of broadcasting in Idaho and recently received a letter from TV GUIDE that answered my question of when they first began distributing editions for Idaho (Utah-Idaho edition). They informed me that Sept. 20, 1958 was the date of the first one. What is interesting, though, is that in their HQ in Radnor PA they have all editions issued on microfilm and it may be possible to get copies of such. They suggested I write the dept. for more details. I will let you know what they tell me. If any other members are interested in this the address is: Cathy Johnson, Microfilm Dept., TV GUIDE, Radnor PA 19088."

W.R. McINTOSH (Granada Hills CA) sent in a few articles from the *Los Angeles Times*. The 11/27/89 *Times* gives background and update on KEEF-TV, ch. 68 in Los Angeles: "Five years ago, Los Angeles was promised its first and only television station owned and operated by blacks. Today, much to the consternation of black community leaders, the stillborn UHF outlet may be on the verge of being turned over to an evangelical Spanish-language organization. The Burbank-based Hispanic Christian Communications Network says it has obtained the approval of all but one of the board members of the Black Television Workshop for the network's proposed \$2.3-million purchase of KEEF-TV Channel 68." "If consummated, the deal will shatter the dream of black entrepreneur Booker T. Wade Jr., whose bizarre legal battle with federal authorities and fellow Black Television Workshop board members has kept the non-commercial station silent since August, 1987."

"Although the prospective new owners say that they will welcome 'family oriented' programming toward any and all minorities, the Hispanic Christian Communications Network's Channel 68 would be a far cry from the black media powerhouse that Wade first outlined in a 1984 publicity blitz. Originally slated to sign on in 1986 as KDDE-TV - the call letters were later changed for unexplained reasons - KEEF was conceived as the flagship of a national program service that would serve as a rare entry point through the television industry's alleged de facto color barrier."

"Except for Washington-based Howard University's WHMM-TV, there are no black-owned public-TV stations and only a few production companies. Wade persuaded community leaders and the FCC that Black Television Workshop would yield a continuing stream of black programmers and programming. But not only has Wade been unable to deliver on those promises, the 43-year-old attorney and former FCC staff member also has spent the last two years fighting attempts by several original workshop board members to replace him as KEEF's president because of what they charged was his mishandling of the station."

KHJ-TV is no more, according to the 12/1/89 *Times*. "On Saturday, the Walt Disney Co.'s first and only television station will change its name and call letters to 'KCAL, California 9.'"

"In our research, KHJ, after all these years on the air, had a non-entity image," said Blake Byrne, Channel 9's president and general manager. "And we decided we would like to have a name that at least had the potential to create a positive image."

"Byrne said that the station looked at lists of new call letters before settling on KCAL. Two radio stations in Redlands already were using those letters, however, so, Byrne, said, KHJ paid them a 'large [undisclosed] fee' for permission to use them too."

"The station first went on the air experimentally in 1931 as Don Lee Television's W6XA0. It became KHJ in 1951. The call letters, one ex-employee said, stood for kindness, happiness and joy. The latter was often difficult to muster in the years before the sale to Disney."

DAVE SINCLAIR (Vancouver B.C.) sent a few clippings. The 4/7/89 *Oregonian* has an article on old collectible TV Guides: "The most valuable issue is Volume 1, Number 1, of April 3, 1953, with a cover photo of Lucille Ball and her '\$50 Million Baby.' Distributed in only 10 cities, this copy of TV Guide may be worth \$300 in excellent condition. Close behind that, at about \$250, is the Sept. 25, 1953, edition featuring George Reeves as Superman. Howard Rogofsky also issues a catalog, at \$1.50 each, from P.O. Box 107, Glen Oaks, N.Y. 11004."

It looks like Ottawa has enough television stations, according to the CRTC. From the 11/13/89 *Playback*: "The CRTC has decided not to grant a license for another independent television station in Ottawa at this time, although it says the potential may exist for another telecaster in that market. In its decision, the commission said the applicants - CanWest Broadcasting, CHUM Ltd.-owned City-TV and Metro TV, a consortium that includes Lavalin and

Allercom - all failed to take into consideration the uniqueness of the Ottawa market in their programming proposals. The commission also said none of the applicants, who appeared at a hearing last June, provided sufficient proof of audience demand or market viability. CanWest and City TV are already planning to refile an application. Metro TV had no comment on future plans."

Dave comments, "A similar situation occurred in Vancouver in August, 1973, when the CRTC denied a license for three applicants for an independent station. The CRTC called for applications a year later and new hearings were held."

A promotional letter from KUTF-TV, ch. 32 in Salem OR describes a new network, RFD-TV, "Rural America's most important network." "RFD-TV has been broadcasting to rural North America for just over a year but has been more than five-years in the making. Started originally to provide the home-satellite audience with free and unscripted programming, RFD-TV quickly added to its lists of commitments the growing community broadcast stations across the United States. Currently serving more than 40 LPTV/HPTV stations, RFD-TV offers the kinds of programming and service designed to provide a mutually-beneficial arrangement between this network and its affiliates."

"This commercially based network is now under new ownership; committed to providing the financing it needs to go forward. Current plans call for the installation of automatic toning equipment; an increase in production staff; the acquisition of new programming to include locally originated live shows as well as new movie and children's programming packages."

"As we progress together, we'll be developing co-op advertising plans, network graphic/music packages, print/on-air promotional campaigns along

with other incentives designed to help us both develop our audiences."

FCC RULING

The FCC has adopted a procedure whereby an FM or TV licensee or permittee may request modification of its license/permit during the course of a rulemaking procedure to amend the table of channel assignments without risking its license/permit to a competing application.

This rulemaking is the result of a petition by Christian Voice of Central Ohio, which asked the FCC to amend its rules to permit FM licensees to upgrade facilities on higher class adjacent or co-channel frequencies, which included amending the FM table of assignments, without being subject to competing applications, even if there were a change in the station's community of license.

"A licensee might want to use the rule in one of three circumstances. First, a licensee might propose a change in its community of license, but no change in its transmitter site or, for an FM station, its channel class. Second, a licensee might propose to change its transmitter site and community of license. Third, applicable only to the FM service, a licensee might propose to change its community of license and channel class, and possibly its transmitter site as well. However, in no case will we allow a broadcaster to use this procedure if the effect would be to deprive a community of its only local transmission service."

"This procedure will be applicable to exchange of intraband [that is, UHF-UHF or VHF-VHF] noncommercial and commercial channels, but not to interband channel exchanges. The Commission's rules currently permit intraband exchanges, and the procedure should apply to exchanges consistent with our rules."

REF: Federal Register, 6/22/89, p. 26201.

STATION BREAK

WTFDA
P.O. Box 514
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

FOR SALE - Channel Master and Antennacraft antennas at below dealer cost (see page 37 Dec. VUD). Also - Channel Master and Antennacraft preamps at dealer cost. We pay UPS on preamps. Also - 1989 WRTH at \$13.95 plus postage. 1990 WRTH (when available) at \$18.95 plus postage. The above prices are to Worldwide TV-FM DX Assn. members only. Best time to reach us is weekend mornings (no collect calls please).

Doug Allen - PO Box 5646 - Woodlawn Park CO 80866 (719) 687-3549

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.



FM NEWS

Bruce F. Elving, Ph.D., Editor
Box 336
Esco MN 55733-0336

Readers' Reports

Cluttering DX for John Ebeling on 105.1 has been a pirate relaying on FM mono audio from Canada's Anik D-1, "Much Music Video," heard around Bloomington MN. He also says to listen for CBQT 88.3 Thunder Bay, using the same calls as Fort Frances 90.5, now on the air, mono, to replace CBQ 800 AM. IDs intrude on programming at eight minutes before the hour and half hour, but "at least, here is a Canadian station which IDs."

Glenn Hauser sent lots of news from AZ where he now is, as well as through Rusty Serenberg in the St. Pete area and from Will Martin, St. Louis. Since most items do not pertain directly to DX, I will in keeping with a new policy just implemented, leave them out.

Closed circuit to C. Gauthier: "Bonjour Charles Gauthier! Merci for the news items you sent and for the correction on CFJO [being in Thetford Mines 103.3]. I especially appreciate the news about CIBL going to 101.5 instead of 104.7. Do keep all of us posted on other developments affecting 'MF' as you become aware of them. Soixante-teize, Bruce."

Fred McCormack notes that two recent FM call letters duplicate each other—KRRQ are given as the calls for both Yuma AZ *88.9 and Lafayette LA 95.5. When the mess gets sorted out, I'll let you know.

Greg Coniglio has not been able to DX the WFBF translator on 92.1 in Clarence NY for good reason—it's not yet on the air, even though the primary in Buffalo is. He muses that the translator may not be necessary, since the "primary seems stronger north of the city now."

Wendell Ford has failed to DX WFAJ *89.5 Michigan City IN. He's wondering if the CP still exists. WPNL *93.9 Clinton IN still off the air. Soon-to-be DXable WILLT 107.7 Polo IL, "as originally reported in March '89 VUD has signed with RPM for their automated beautiful music [service]. It's the third subscribing station under the same ownership to sign with the Southfield MI firm, so probably gets the programming at somewhat of a discount. Station will not be 24 hours, and may test with heavy metal music, as engineer likes testing the meters with such. . . Merry Christmas and Happy '90."

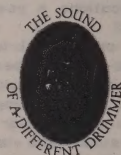
The shutdown of the CKO News network of Canada has been the subject of mailings from Dave Sinclair, Jeff Falconer, Bill Dulmage, Robert Ross, Mike Cherry and others. Dave says "it is very likely that others will be interested in applying for the vacant frequencies for various types of station formats." Jeff finds "97.5 and 99.1 are a lot easier to DX here now [and] just a note to let you know the Magnum FT-101A you SCA modified for me works great. I'm really pleased with it." Bill Dulmage says now with CKO gone, CFMX "may be looking at their Toronto 99.1 frequency for CFMX-1."

A DXer in BC, currently stationed in AB, is Eldon S.

Luoma, who comments on a DXing aid known as the "FM Atlas." "The maps which you include are especially helpful as some of these FM stations appear to be licensed in remote, out-of-the-way locations which are

Tel: (416) 372-4366
Toll Free: 1-800-263-7916
Fax: (416) 372-1625

Bill Dulmage
News



hard to find even on a regular road atlas! One example would be a powerful FM station licensed to Lost Cabin WY." He then describes areas near Calgary where he has DXed FM, with Medicine Hat being the best spot. There are no local FM's there. For DXing, "the [General Electric] Superadio II with its bass and treble controls really does give you a wide audio range."

Maybe DXers will have to endure less obscenity when dialing 92.3. A story Bill Nienajady sent had to do with the FCC sending a letter of inquiry to WXRK New York regarding some utterances of Howard Stern. At least WXRK's probably not "lame," right, Bill?

W. R. McIntosh sent the items, below, about KKGO and its classical format, along with KCSN Northridge re-embracing classical. "I'm just flat confused about the Chinese 'Voice of Democracy' broadcasting on 'an FM subcarrier frequency,'" which I think is on one of the SCS frequencies of KPCC *89.3 Pasadena. Even though I won't be printing SCS news or giving multi-city ID information in this column, please send such news here as you become aware of it.

That's all the "new" news for the VUD. Below is news that partially filled my FMedia! newsletter. I am hereby stripping this column of all items thought not to contribute to FM DXing. Please give me your feedback as to whether you like the reduced size of this column, and check farther on for the exclusive-to-this-column feature "See Also."

New FM Station Grants— Tomorrow's DX Targets!

AL Huntsville *90.9 35000 h.v.; 102 m, AL A&M U. [Air Ranchers Corp.
AZ Ajo 98.3 3000 h.v.; 21 m, Desert West/
AZ Oro Valley (Tucson) 97.5 3000 h.v.; 91 m,
Pueblo Radio Bcstg. Service [School
AZ Tuba City *91.5 100 h.v.; -8 m, T.C. High/
AR Marianna 106.9 3000 h.v.; 100 m
CA Fresno 99.3 3000 h.v.; 100 m, Fresno FM
CA Palm Desert *91.7 3000 h.v.; 100 m, g, Prairie
Ave. Gospel Center Im, Susan Romaine
DE Lewes 105.9 3000 h.v.; 83 / 1 per Bcstg.
FL Englewood 105.9 3000 h.v.; 100 m, Sandp/-
ID Caldwell *89.5 8300 h.v.; 807 m, g, Gem State
Adventist Academy
IA Knoxville KRLS 92.1 3000 h.v.; 91 m, \$, rm
("adult contemporary," some country),
Leighton Enterprises. This station, dormant
since 1975, has bought share-time KTA.V.
KTA.V now relegated to monophonic g[ospel]

broadcasting on Sundays, but maintains its own sales staff. I'd say DXers can count BOTH stations, even through sharing one transmitter, because both are legal broadcasting entities, and it's the only commercial FM station sharetime arrangement in the nation!

KS Burlington 95.3 3000 h.v.; 100 m, Coffey County Bcstg. Co. [263 m, LA ETV LA Monroe KEDM *90.3 87000 h, 77000 v/ MD Ocean Pines 97.1 3000 h.v.; 100 m, OP Bcstg. MD Salisbury WSBY-FM 98.9 3000 h.v.; 100 m, Conner Bcstg. [replacing deleted WCLS MI Gladstone WENL 105.5 3000 h.v.; 100 m, \$/ MN Springfield 105.7 3000 h.v.; 100 m MN Wabasha 102.5 1900 h.v.; 125 m MS Cleveland WEZU 106.9 3000 h.v.; 100 m MO Chaffee (Cape Girardeau) 104.7 3000 h.v.; 100 m, Marco, Inc.

NM Angel Fire 99.1 5700 h.v.; 42 m NM Grants 100.9 10000 h.v.; 68 m NY Cape Vincent *94.7 3000 h.v.; 100 m, g, Mars Hill Bcstg. [h.v.; 100 m, C. Fox NY Sodus WNNR-FM *105.3 3000/[m, Green NC Southern Pines 102.5 3000 h.v.; 100/ SC Pamlico 102.1 3000 h.v.; 100 m, P. Bcstg. TX Harlingen *88.9 2500 h.v.; 100 m, GRV Educational Bcstg.

TX San Angelo 101.9 100000 h.v.; 299 m, American Indian Bcstg. Group [Vasquez TX Victoria 92.3 3000 h.v.; 90 m, Martha/ TX Wichita Falls 105.5 3000 h.v.; 100 m, Samwill Bcstg. [m, Starcom, Inc.

WI Bloomer (Eau Claire) 95.1 3000 h.v.; 100/ WI Brookfield (Milwaukee) WRIT 106.9 reversal of original grant-to-Tran Broadcasting from Donald E. Hagenrod (still 3000 h.v.; 100 m) BC Christine Lake CBRI *88.5 100 h.v.; CBU AM Vancouver relay, to replace AM by those calls within a year

BC McBride CBXM *92.1 850 h.v.; CBYG *91.5 Prince George relay

BC Phoenix (in Greenwood-Grand Forks-Midway area, where it will replace AMs within a year) *97.9 300 h.v., CBU relay [relay

BC Valmont CBIK *90.3 180 h.v.; CBYG/ ON DuBrulville *97.9, CBC French, to relay with 50 watts (h), CBON 98.1 Sudbury ON Haliburton *92.3 50 h, ex-CBL AM ON Oshkewa (near Brampton) CFNC 103.9, sr, 10 watts, "but they hope to increase to 30 watts. Programming is eclectic—everything from country music to community announcements, rock music to news and phone-in shows. They also try to present unbiased reports on native issues. Although unlicensed, CFNC follows CRTC guidelines and expects to apply for a licence as soon as its operating organization, the Grand River Communications Society, becomes incorporated... I don't know if they are stereo or not."

Calls Assigned to DX Targets

AL Brantley 104.3 no calls (not WHTA)
 AZ Kingman 105.9 KRCY (KAWA) [calls
 AZ Tucson 94.9 KKLD (KJYK) AM gets KJYK/
 AR Cabot 102.5 KVQB [AM gets new calls
 AR Little Rock 94.1 KHLT-FM [KHLT-FM/
 CA Barstow *91.3 KCWM (KSMN)
 CA Carpinteria 101.7 KSBL (KLIT-FM)
 CA Glendale 101.9 KLIT (KEDG), "K-Lite"
 CA San Joaquin 105.5 KPVC
 CA Tulare 106.7 KJUG-FM (KJUG)
 CO Castle Rock 92.1 KYBG-FM (KZRZ), AM is in Aurora CO, n [all news], remove \$[tereo]
 DE Ocean Views 101.7 WRKE (WOVU)
 FL Rockledge 102.7 WHKR, to be k[country]
 FL Safety Harbor 92.5 WYUW (WXCR), "U-92"
 FL Waterman 102.1 WQLC [Star 94"
 GA Smyrna 94.1 WSTR (WQXI-FM), rj/
 GA Trenton 98.1 WBDX
 HI Honolulu 100.3 KCCN-FM (KCCN)
 ID Payette 100.3 KQXR (KORI-FM)

IL Shelbyville WEJT (WSHY-FM)
 IN Bluffton 100.1 WNUY (WBG7)
 IN Corydon 96.5 WGBZ-FM (WJDW-FM)
 IN Indianapolis 103.3 WMJC (WXTZ), "Magic 103.3" [been assigned WQB(X)
 IN South Whitley 101.1 no calls (had/
 IA Clarinda 106.1 KMA-FM (KQIS)
 KS Fredonia 104.1 KWFN
 KS Hutchinson 97.1 KQHK [River"
 KS Leawannoth 98.9 KRKV (KCWV), rm, "The/
 KY Harlan 105.1 WTUK [gets new calls
 KY Henderson 103.1 WGBF-FM (WGBF/AM/
 LA Coshutta 92.3 KSHB
 MN Grand Rapids 96.9 KMFY (KNNS), no nonID
 MN Litchfield 94.9 KMXX (KLFD-FM), rm; ID with St. Cloud, "The Mix," having moved from 95.3
 MO Washington 104.5 KSLQ-FM, m
 MT Wolf Point 92.7 KTYZ-FM (KYZZ)
 NY Clyde 93.7 WRCD
 NY East Hampton 96.7 WVEH
 NY Plattsburgh *91.9 WCPE
 PA Blairsville 106.3 WLCY (WNQQ)
 PA North East 100.9 WRKT (WRKT-FM; AM gets new calls)
 PA Pittston 102.3 WWRB (WTLQ)
 PA Tunkhannock 107.7 WEMR-FM
 SC Aiken *89.1 WTUC (WLJK)
 SC Georgetown 93.7 WTUB
 TN Germantown 94.3 WEZI-FM (WEZI-FM; AM has new calls) [in Amarillo
 TX Canyon 107.1 KPUR-FM (KHWC) AM is/
 TX Daingerfield 106.9 KWSK
 TX Madisonville 96.1 KAGG (KIXF)
 TX Odessa 96.1 KMRK (KOTX)
 TX Pittsburg 96.9 KRQO (KDH8)
 TX Port Isabel 101.1 KPVA
 TX Post 107.3 KNKC
 TX Stephenville 98.3 KVQC
 VA Harrisonburg *88.7 WZJM
 VA Windsor 107.7 WXRJ
 WV Mannington 102.7 WTUS
 WV Pocatello 98.7 WTUN
 WI Mayville 98.7 WTUA
 WI Pestigo 96.1 WHYB
 AB Edmonton 100.3 CJKE (CXMX), "Key 100.3 FM" (strict), r.
 BC Victoria 92.1 CBU-FM-1, on air in \$[tereo], but not yet the 105.1 relay, to be in Metchosin, serving Sooke and Langford.

Facilities Changes Granted Which Might Affect Stations' DX Potential (other changes are omitted and only in FMedia!)

CA San Jose KSJS *90.7 250 watts h.v.; 120 m
 CA Santa Margarita KWSP 106.1 (from 106.3) 950 h.v.; 447 m, B1
 FL Port Charlotte WEEJ 100.1 97300 h.v., 100000 v, 289 m; C1
 FL Vero Beach WAVW 101.7 (from WCXL)
 WCXL 103.7 (moving to, from 105.5); "Crystal FM," was WAVW.
 GA Jasper WZKS 98.3 100000 h.v.; 299 m, C1
 KY Shepherdsville new 105.1 (not 104.9) 1600 h.v.; 100 m
 MN Appleton KRSU *91.3 341 m (75000 h.v.)
 MN Thief River Falls KVVL 102.7 176 m (100000 h.v.) [000 h.v.; 185 m, C2
 MS Marion WQIC-FM 95.1 (from 103.1) 26-/
 MO Jefferson City KJMO 100.1 33000 h.v.; 183 m, C2 [h.v.; not yet on air
 NE South Sioux City KIKD 107.1 31 m (3000/
 NM Los Lunas KBBU 102.5 (from 102.3) 50000 h.v.; 150 m, C2
 NY Danville WACZ 93.9 570 h.v.; 226 m
 NC Bayboro WJCS 97.9 2800 h.v.; 104 m, not on p. 117 FM Atlas-12, coverage is 24 km
 NC Dunn WDKS 103.5 (from 103.1) 24000 h.v.; 213 m, C2 [1400 h.v.; 149 m
 NC Gaston WLGQ 97.9/[m, monophonic
 OH Kent WNIR 100.1 2000 h.v.; 119/

OR Portland KBOO *90.7 25700 h.v.; 366 m
 TX Jasper KWHY 102.7 (from 102.3) 50000 h.v.; 150 m, C2

TX Port Arthur KYKR 93.3 305 m (100000 h.v.)
 ON Hillsdale (from Orillia) CBCO *91.5, "CBC Southern Ontario Service," monophonic.
 "The signal here in Port Carling is somewhat weaker than CBC 105.9 Orillia and much weaker than CBCM 107.5 Midland, both of which are still on, although not listed in your FM Atlas. I understand CBCO 91.5 will eventually replace both of them. If so, I don't know what CBC listeners in my area are expected to listen to. I suspect WXXI-FM [Rochester NY] would give CBCO 91.5 fits during a good tropo opening."

PQ Thetford Mines CFJO 103.3, not "Joliette," but does broadcast half time (12 hours a day) from its studios in Victoriaville, calling its region "CFJO Amiante Bois-Francis." Its relay in Lac Megantic on 101.7, CFJO-, is \$[tereo] also. AM affiliates are CFDA Victoriaville and CKLD Thetford Mines.

Stereo, or to be Stereo—DXers,

Watch

for the Presence or Absence of This Vital Station Feature. Mono Stations Stick Out Like a Sore Thumb!

AL Dadeville WZLM 97.3, rm
 GA Vidalia WGPB *91.5 [a 10-watter
 IA Sioux City KMSC *88.3, good signal for/
 OR Sweet Home KSKD 107.1
 TN Oliver Springs WXVO 98.7, k[country]
 TN Spring City WAYA 93.9, rm, "Way FM"
 TX Clifton KWOW 103.3 m, "adult standards," no nonID
 TX Huntington KAKU 101.9, r, "classic rock," "KQ-102," ID with Lufkin-Nacogdoches
 TX Mineola KM00-FM 96.7, still k.
 VA Elkton WPKZ 98.5, no nonID
 WA Spokane KVXO 103.9, r (oldies), "Solid Gold Car," and "Car FM," simulcasting with KAAR 95.3 Medical Lake WA (also stereo).

Monophonic

GA Baxley WBYZ 94.5, assumed temporary
 IA Des Moines KDMI 97.3 mostly monophonic, but believed to have some stereo weekends. Simulcasts 6 p.m. news with WOI-TV, ch. 5.
 NE Blair KBWH 106.3, "Hot 106," mono lots of dead air, poor fidelity; Omaha translator off and presumed deleted
 NY New York WHCR *90.3, confirmed mono, jazz. "Very low modulation. You can hear snarls from WHPC/WBAU all the time..."
 TX Austin KAZI *88.7 is monophonic, confirming listing in FMA-12."

Format Changes Affecting DX Targets

Formats are the same as in the "FM Atlas"
 AL Montgomery WSYA-FM 103.3 r (oldies), still "Sunny 103" [contemporary
 AR Fayetteville KEZA 107.9 m, adult/
 AR Greenwood KZKZ-FM 106.3 r, "KZ-106" (from "Country 106") [29 CHR
 CA Greenacres KRB 106.3 r, Unis. Niche/
 CA Northridge KCSM *88.5 all classical, "the valley's classical station." "Their former country format wasn't very popular. They used to be partly classical in past years. Meanwhile, a dozen die-hard jazz fans are launching a campaign to try to stop jazz from being shifted from KKG 105.1 Los Angeles to its AM KKJZ 540." "We feel the actual broadcast signal is not as good as on FM."
 CA Ojai KKKR 105.5 dumping country in favor of rm or a similar format.
 CA Pasadena KPCC *89.3 jc. Classical also parttime on KPFF *90.7, KVCR *91.9.
 CA Stockton KJAX 99.3 m, AC [107"]
 FL Lehigh Acres WCKT 107.1 k, "Cat Country/

FL Melbourne WAOA 107.1 r, "A1A"
 GA Cornelia WCON-FM 99.3 kr
 IL Mendota WLCO-FM 100.1 k
 IL Pekin WXCL-FM 104.9 k
 IA Sioux Center KTSB 93.9 m
 KS Arkansas City KWKL 106.5 r (oldies)
 KS Wichita KRBB 97.9 m, adult contemporary
 KY Georgetown WTKT 103.1 r (oldies)
 LA Columbia KCTO-FM 103.1 r, "Unis. oldies."
 LA Washington KNEK-FM 104.7 k
 MA Brookline WBOS 92.9 mr
 MA Hyannis WCOD 106.1 rj, with some new-age music [N29 CHR
 MS Waynesboro WABO-FM 105.5 r, Unis./
 NJ Asbury Park WJLK-FM 94.3 m, "Lame."
 NJ Princeton WPRB 103.3 pc, "some classical in addition to their jazz and rock" [age]
 NM Las Vegas KBAC 98.1 m, "SMN Wave-new/
 NY Amsterdam WKOL-FM 97.7 m, Unis. 41 AC
 NY Olean WPIG 95.7 k, "Pig 95"
 NC Washington WCZI r, "Classy 98"
 PA Mercer WTKX 96.7 rp, not gr
 PA Philadelphia WKDU "91.7 ps
 WUSL 98.9 rs, both "include some soul"
 PA Shersville WMGZ 95.9 b, "Joy"
 TN Selmer WSIB 93.9 r, "J-94" (strict), mono, possible future call change portended [air
 TX Abilene KHX 106.3 k (oldies), "Kicks," on/
 TX Crystal City KHER 94.3 Spanish, l, mono
 TX Laredo KBZ 92.7 Spanish, latin, stereo
 TX Nacogoches KTBQ 107.7 r, CHR, "Q-107,"
 UT Cedar City KBRE-FM 94.9 r, "Rock Hits 95"
 VA Broadway WLTG 95.5 g, Stereo?
 VA Richards WRIC-FM 100.7 (rock), \$?
 WA College Place KGTS "91.3 g
 WV Danville WZAC-FM 92.5 k, stereo?

On Air, DX Ready (Selected)

TX Bryan-College Station KKYS 104.7, having moved from 104.9, now 50000 H; 87 m, \$

Off Air Or Not Yet On

IA Des Moines KUCB *89.3
 IA Onawa KOOD 102.3
 NE West Point KWP 107.9
 NE Winnebago KSUX 105.7
 OK Broken Bow KKB 106.1, still on 106.3
 TX Bridgeport KBT 90.5
 TX Giddings KGID 101.5, nor was it heard on its former 101.7 spot—probably changing over

Deletions—Non DX Targets

MM IEI 92.1
 AB Calgary CKO-FM5 103.1
 AB Edmonton CKO-FM6 101.9
 BC Vancouver CKO-FM4 96.1
 MB Winnipeg CKO-FM7 99.1
 NB Saint John CKO-FM10 99.7
 NF Saint John's CKO-FM11 101.9
 NS Halifax CKO-FM3 103.5
 ON London CKO-FM3 97.5
 ON Ottawa CKO-FM1 106.9
 ON Toronto CKO-FM2 99.1
 SK Regina CKO-FM8 94.5
 CANADA—The CKO Network signed off the air Nov. 10. "It was in the process of being sold to a Quebec-based broadcasting company, although had not gone to a CRTC hearing yet... They had lost \$50 million since signing on in 1977... CKO Regina, Saint John NB and St. John's NF never made it on the air... I can't help feeling that there was some political pressure to turn in all the CKO-FM licenses back to the CRTC!"

FMistakes, FM Atlas-12 (selected)

DE Dover W292CF 106.3 for WZBH, not WSEA-FM, p. 135 [p. 136
 ID Moscow K2581 for KHTR 104.3, not 104.
 WV Harrisville W256AL 100.9 for WRRR-FM 93.9, not 101.7, p. 142
 "Just a quick note to tell you how much I enjoy your book and am waiting for the next

edition. Could you send any information on subscribing to FMedia?"

SCServices—57, 67, 78.67, 92 kHz (see this feature in FMedia!)

NonIDs Affecting DX Targets

(Selected)

AL Montgomery WBAM-FM 98.9 Oldies 98 (not "99") [93" or "Hot Hits 93"]
 AL Tuscaloosa WTUG 92.7 93-TUG (not "G-/AZ Mesa KZZP-FM 104.7 Mix 104.7
 CA Los Angeles KJOI 98.7 Touch 98.7
 FL Fort Lauderdale WAXY 105.9 Waxy FM (from "Waxy 105.9") ["102 Country"]
 FL Jensen Beach WHLG 102.3 G-102 (from/
 FL Mary Esther WYBZ 105.5 Kool 105.5, (from "B-105"), still r (oldies). Going to a satellite service, with five fulltime employees dismissed. "There'll be a morning show and a live hour in the afternoon," but otherwise little of the day would be local, live.
 IL Rockton WRWC 103.1 K-103
 KY Springfield WMQO 102.7 Q-102, \$
 MN Brainerd KLIZ-FM 107.5 Power-107 (from "Z-107"; fairly strict)
 NY Highland WRWD 107.3 Country 107.3 FM (not strict), \$ [from "Q-98"]
 NC Fayetteville WQSM 98.1 Magic-98/
 NC Goldsboro WKTC 96.9 KT Country
 PA South Williamsport WFXX-FM 99.3 The New Fox 99 [from "Q-106"]
 PA York WQXA 105.7 Hot 105.7
 TN Kingsport WZXY 104.9 All Hit Radio (SMN)
 TN Reno Bank WJTT 94.3 Power 94 (from "J-94"), ID with Chattanooga
 TX Amarillo KESE 101.9 K-101
 TX Dallas-Fort Worth KKDA-FM 104.5 K-104 (back to, from "Hot 104")

Multi City IDs In Use (this feature probably has little relevance to DXing, so I am excluding it from this column)

AM Happenings Most Likely Caused by FM (discontinued from this column, since this is an FM-TV DX club)

FM Rulemakings—No longer to be in this column, because such actions have no immediate effect on FM DX.

See Also December VUD For:

AL Prattville 95.1 calls are WXXF, Pugh, p. 26
 CT Bujaup, 38 raises some interesting points, and as a result I will be more careful what I print in this column. I will strip from it features that relate to the broadcasting industry and other material which makes FMedia! unique, except to use some of the industry news at the end to fill out a complete page. I do plan, however, to keep this "See Also" feat ure, even if it repeats information already in the bulletin, as this enables me to give my interpretation to the data—and it seems to be one of the most widely read aspects of "FCC-FM News"

GA Fort Valley *91.3 I list calls as WJTG, not "WJIG," Pugh, p. 26
 IA Northwood KPLW 102.7, need to know stereo status, format, any nonID information for this station, Sherman, p. 23
 KY Hyden WZQQ 92.3 need to know if stereo and format, Dyer, p. 30 [p. 24
 MI Bay City WUCX *90.1 tu SCS, Falconer,/
 MI Mount Pleasant WMHW *91.5 91 Rock FM nonID, Falconer, p. 24
 MI St. Johns 92.1 I list calls as still being WLNZ, Falconer, p. 24
 NY Vesta WMWX 103.3 r, \$, Smolarek, p. 24
 OH Springfield WAZU 102.9 Wazoo nonID, Falconer, p. 24
 SC Greenville *89.3 I list calls as WLFJ, not

"WLFJ," Buntin, p. 31

WI Black River Falls WWIS-FM 99.7 watch for it and let us know if it has stereo and what its music format is, Sherman, p. 23

Class A Stations Eligible to Increase Power—two complete lists of over 680 stations appeared in the Dec. FMedia! Sorry, but it takes too much space to list here.

"Indecency" Continues To Plague FM

Two FM stations are on the FCC's latest "hit list" for carrying allegedly "indecent" material: WZTA 94.9 Miami Beach FL and KLUC-FM 98.5 Las Vegas NV, both of which have been fined \$2,000. WZTA carried the song "Penis Envy," while KLUC-FM aired "Eric City" by Prince. Three FM stations have been mailed letters of inquiry seeking broadcaster comments: KCCL-FM 95.3 Paris AR, KSD 93.7 St. Louis and WXXR 92.3 New York city. The WXXR complaint is about a Howard Stern show mentioning "penis," "wiener," and "orgasmic." I've been told that WHCN 105.9 Hartford CT at 6:55 each Monday morning uses a nihilistic theme, "Life Sucks and Then You Die," with indecent overtones to it.

Other Small-Print Happenings and FM Industry News

Broadcasters from the U. S., Canada and Mexico held a joint session recently at Williamsburg VA. Representatives of the NAB, the CAB (Canada) and CIRT (La Camera Nacional de la Industria de Radio y Television) agreed, among other things, to review with their respective governments within the next year options for changes to bilateral FM working arrangements which would permit Class A FM stations within 320 km to increase power to 6 kw.

WFMT 98.7 Chicago is being hit by petitions to deny its license by two groups—the NAACP, which wants more than "taken employment of blacks and other minorities" (also filing against 12 other IL radio stations whose licenses came up for renewal Dec. 1), and Friends of WFMT. The Friends group contends fraud by licensee, Chicago Educational Television Association, stating that CETA does not have the radio station's best interest at heart, and has diverted monies from a recent fundraiser to its own purposes. The group is afraid WFMT will be sold and the money used to enrich the public TV station. Ray Nordstrand, WFMT president and general manager, who has been with the station 36 years, denies charges of the Friends group.

WHYI 100.7 Fort Lauderdale FL has been granted license renewal, to Metropex Communications. The FCC thus threw out the competing application of Southeast Florida Broadcasting for the station. The challenge to WHYI's license was originally filed in 1987.

Dan Flohr, president Target Tuning, announces production is underway of both a table model and walkperson-type FM-SCS receiver. The portable SCA radio is designed for maximum sensitivity and small size. For further information contact Target Tuning at 6 Caesar Place, Moonachie NJ 07074; (201) 935-8880.

The initial issue of "Radio Waves Dialog," covering Chicago, came here. It includes information on the formats of all main city and suburban stations, including information on the subcarriers of several stations. There's a historical piece, "FM Laughs Last," covering the existences of several long-forgotten suburban FM stations:

73ily, b.e.

NWS

Welcome to the 90's!!!!!!
In this issue:
Matt's DX is hot in October, not in November.
Check out the offset NWS frequencies!
Matt messes up columns.
...and much more!

Matt Sittel
PO Box 21441
509G South Hall, NCSU
Raleigh, NC 27607
(919) 737-5477
(Note re-renamed dorm,
Becomes Wood Hall 7/1/90)
Deadline: 2/1/90

JANUARY 1990

JANUARY 1990

This is a short column this month. Why? Well, I didn't receive any reports. Rather than put this column off again, I thought just keep it short and simple. That's what I did...

Matt Sittel, NWS News Editor

OCTOBER 1989

02 tr	2048	WXL42	.400	NC Winston-Salem	88
03 tr	0815	KHB31	.550	NC Wilmington	116
	2125	WXL42	.400	NC Winston-Salem	88
	2321	KEC84	.400	NC New Bern	104
04 tr	2208	WXL42	.400	NC Winston-Salem	88
07 tr	0727	KHB31	.550	NC Wilmington	116
11 tr	0718	KEC95	.400	SC Myrtle Beach	123
	0954	KHB31	.550	NC Wilmington	116
12 tr	0739	WXL56	.400	NC Asheville	253
	0809	KHB31	.550	NC Wilmington	116
	2151	KEC95	.400	SC Myrtle Beach	123
13 tr	0804	KHB31	.550	NC Wilmington	116
	0804	KEC95	.400	SC Myrtle Beach	123
	0806	KEC85	.400	GA Savannah	298
23 tr	0036	KHB31	.550	NC Wilmington	116
	0816	KEC95	.400	SC Myrtle Beach	123
	0852	KEC84	.400	NC New Bern	104
	2213	KHB31	.550	NC Wilmington	116
	2218	KEC95	.400	SC Myrtle Beach	123
25 tr	0606	KEC85	.400	GA Savannah	298
	0613	KHB31	.550	NC Wilmington	116
	0638	WXM57	.400	VA Heathsville	195
	0739	WXL56	.400	NC Asheville	253
	1004	WXL42	.400	NC Winston-Salem	88
	1004	WXX75	.475	GA Waycross	380
	1004	WXM65	.525	GA Baxley	348
	1907	KHB31	.550	NC Wilmington	116

(I tried to balance these columns up,
but as you can see it didn't work!!)

OCTOBER 1989

26 tr	0814	KHB31	.550	NC Wilmington	116
	0814	KEC84	.400	NC New Bern	104
	0815	KEC95	.400	SC Myrtle Beach	123
27 tr	0751	KEC95	.400	SC Myrtle Beach	123
	0751	KHB31	.550	NC Wilmington	116
	2010	KHB31	.550	NC Wilmington	116
28 tr	0004	WXL42	.400	NC Winston-Salem	88
	0717	KEC95	.400	SC Myrtle Beach	123
	1006	KHB31	.550	NC Wilmington	116
	2352	KEC95	.400	SC Myrtle Beach	123
	2354	KHB31	.550	NC Wilmington	116
31 tr	2348	WXL42	.400	NC Winston-Salem	88

NOVEMBER 1989

01 tr	0754	KHB31	.550	NC Wilmington	116
	0754	KEC95	.400	SC Myrtle Beach	123
06 tr	0812	KHB31	.550	NC Wilmington	116
	0813	KEC95	.400	SC Myrtle Beach	123
	0954	both of above	still in, KHB31 esp.		
12 tr	0907	KEC95	.400	SC Myrtle Beach	123
	0907	KHB31	.550	NC Wilmington	116
13 tr	0757	WXL42	.400	NC Winston-Salem	88
14 tr	0008	KEC95	.400	SC Myrtle Beach	123
	0008	WXL42	.400	NC Winston-Salem	88
	0013	KHB31	.550	NC Wilmington	116
	1104	WXL42	still in...		
15 tr	0749	KHB31	.550	NC Wilmington	116
	0749	KEC95	.400	SC Myrtle Beach	123
19 tr	2335	KHB31	.550	NC Wilmington	116
	2335	KEC95	.400	SC Myrtle Beach	123
27 tr	0754	KEC84	.400	NC New Bern	104

After an exciting October, November DX has fallen off to nothing. As you can see a few days in October produced some fine results. October 25th was the most exciting. I had a meteorology exam that morning at 0855. I left around 0849 with Jacksonville, FL on 30 and 47 on TV. I was AMAZED that when I got back things had shifted and I had WABW-14 at a nice 444 miles! Then WXX75 powered over WXL50, a first for any distant station. (Rocky Mount does sometimes, but it's 66 miles away.) Then I caught my first off frequency as I heard Baxley, GA on 162.525! I'm up to 14 NWS stations now; to nail 3 in one day was a great surprise...but since it's gone downhill. Nothing is going on. Maybe all these bad DX days will be made up for with a whopper DX opening. (I'll probably be out of town or something...)

THE OFF-CHANNELS: When DXing NWS, you know that when you hear a station, it is usually on one of the 3 main channels: 162.400, 162.475, and 162.550. But a few stations operate on either: 162.425, 162.450, 162.500, and 162.525. There aren't too many, but they are out there.

CA Lindsay	WXM84	.500	IN Marion	????? .450	(These can be fun to discern,
CO Fort Collins	????? .450	ME Caribou	WXM77	.525	as pgmg //s a lot of these)
GA Baxley	WXM65	.525	MO Hermitage	WXM81	.450
GA Valdosta	WXM79	.500	VT Marlboro	WXM68	.425
GA Waynesboro	????? .425	WI Park Falls	????? .500	WV Hinton	WXM72
IL Marion	WXM49	.425	(Many of these are new, so I	WV Moorefield	WXM73
IN Bloomington	WXM78	.450	don't know the calls-help!)	WV Spencer	WXM70
(Again, I tried to balance these columns...real good, huh??)			WV Sutton	WXM74	.450

In West Virginia, Hinton//Beckley, Spencer//Sutton. Also, I forgot Gilbert//Beckley/Hinton. Gilbert and Hinton are programmed from Beckley, Spencer and Sutton from Charleston, and Moorefield from Elkins. In Georgia, Baxley is programmed from Waycross. Write for more info. Waynesboro//Augusta, GA, Marion from Paducah, KY, Bloomington from Indianapolis, IN, Hermitage from Columbia, MO, Marlboro from Burlington, VT. Write in!! Best of DX to YOU!!!

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NEW YORK 14221

FOR DXers in: CANADA, ME, VT, NH, MA, RI, CT, NY, PA, NJ, OH, MI, IN, IL, WI, MN, ND, SD, NE, IA, MT, WY, IA, WA, OR, AND AK
JANUARY 1990

HAPPY NEW YEAR !!!

DEADLINE: NOW THE FIRST

JEFF FALCONER - BOX 63 - CLINTON, ONTARIO N0M 1L0

Equipment: DYNALAB FT101A Etude, Creative Design, 25 el log periodic at 28' with rotator, and DYNALAB Signal Sleuth RF amp. As of October 14, antenna is Stereo Probe 9 at 25' (pointed South as don't have rotor up yet) fed with RG 11

OCTOBER 9 TROPO SCATTER

2154 **WELL** 104.9 MI Marshall, k, S. Mich 197
Country ID ment **WELL-AM** & **WALM-AM**
2220 **WBNO** 100.9 OH Bryan, r\$, **BNO-FM**, rare 212

OCTOBER 12 METEOR SCATTER

1759 **KCMW** 90.9 MO Warrensburg, "...west 750
Cntrl Missouri is **KCMW-FM** Warrensburg....."

OCTOBER 13 TROPO-SCATTER

1859 **WMUB** 88.5 OH Oxford, \$, wx report 329
1929 **WSHW** 99.7 IN Frankfort, Lafayette ad 342
1935 **WMGG** 99.7 OH Columbus, classic rock (\$), Magic 99-7 FM 262

OCTOBER 14 TROPO-SCATTER

2349 **WNRR** 92.1 OH Bellevue, heavy metal r, the all new "W-92", distorted audio, screaming DJs profanity, etc., sounded like a pirate. 174

OCTOBER 15 TROPO-SCATTER

0124 **WCJC** 99.3 IN Van Buren, k\$, C-99.3, my Unid of 10/8, **CJBC-4** off the air 290
1708 **WFPK** 91.9 KY Louisville, \$, discussion of Guy Lombardo and past area concerts 426

OCTOBER 16 TRS/MS

1907 **WZOQ** 92.1 OH Wapakoneta, r\$, 92 Zoo, Limalands' hottest hits, **NOT** Zoo 92 as in Atlas 250
2213 unID 106.3 ?? MS burst "Z..Z106..", Sarasota FL, or Demopolis, AL possible.

OCTOBER 18 METEOR SCATTER

1836 unID 92.1 MO "...cold with highs only...44 in Jefferson City, 43 in Columbia, and the..." Most likely either **KMFC** or **KCBW**.

OCTOBER 19 TROPO-SCATTER

2127 **WBNS** 97.1 OH Columbus, m\$, mixing with **WJOI** and **WREO** 263

OCTOBER 20 TROPO-SCATTER

2008 **WXGT** 92.3 OH Columbus, The New 92X 262

OCTOBER 21 TRS/AU unIDs after 1530

0123 **WPKO** 98.3 OH Bellefontaine, mr\$, ID 250
1324 **WFRN** 104.7 IN Elkhart, g\$, promotion for Petra concert. 262 old r, ID with **WSOO AM**

1337 **WTUE** 104.7 OH Dayton, rm\$, ID o/**WIOT** 304

1340 **WLSR** 104.9 OH Lima, old r\$, Live 105 240 and quarks pgm, much **CFGX** 200

1401 **WIMT** 102.1 OH Lima, k\$, T-102, contest 240

1414 **WZOM** 105.9 OH Defiance, r, 106Z, u/**WJZZ** 260

1438 **WPFB** 105.9 OH Middletown, k\$ "Dayton's Country Rebel" much **WJZZ** 318

2346 **WYSS** 99.5 MI Sault Ste Marie, r\$, Yes 99-5 239

2358 **WMQT** 107.5 MI Ishpeming, r\$, Q107, 357 with end of news, 93-R, not W-3-R 299

OCTOBER 22 TRS/MS

0008 **WUJPQ** 97.9 MI Newberry, g\$ Contemporary Christian, "New Q-Light" 269

0028 **CKO7** 99.1 MB Winnipeg, 10 sec burst with echo effect w/**CKO** Toronto

0158 **WCSG** 91.3 MI Grand Rapids, g\$, wx for West Michigan 211

1000 **WJET** 102.3 PA Erie, r\$, **JetFM** 102 125

1027 **WKKM** 92.1 MI Harrison, Baptist Hour pgm, mono, ID at 1030 as "The Country King **WKKM AM** & **FM Harrison**

WDEE Reed City. 194

1223 **WRIZ** 106.3 MI Lakeview, r\$, Central Michigan's star station, **WRIZ** 187

OCTOBER 24 TROPO-SCATTER

1730 **CIGM** 92.7 ON Sudbury, k\$, Telemedia

_n_xcast, just put up rotor [Alliance HD-73] 200

Station #800 (Congratulations-gc)

2025 **WATZ** 99.3 MI Alpena, k\$, Michigans great N. Country first 99.3 with **CJBC** on 138

2226 **WIXX** 101.1 WI Green Bay, old r\$ 325

2259 **WRVM** 102.7 WI Suring, g\$, ID 349

OCTOBER 25 TROPO SCATTER

2159 **WGMZ** 101.7 MI Tuscola, b\$, first time

I've been able to null **CKNX**, nice to

finally have good antenna with rotator 111

OCTOBER 26 TROPO-SCATTER

2249 **WUFN** 96.7 MI Albion, g\$, **CKGL** completely nulled. 188

2308 **WESA** 98.3 PA Charleroi, Class FM 252

OCTOBER 27 TROPO-SCATTER

2045 **WVGS** 91.9 PA California, \$, HS FB 259

2350 **WCQA** 96.5 NY Fredonia, r\$, Where

_ Chautauqua Comes Alive 136

OCTOBER 28 TROPO-SCATTER

0004 **CBCK** 107.5 ON Kingston, u/**WGPR**

with end of nx, **CBC** Kingston ID 250

0200 **WSUE** 99.5 MI Sault Ste. Marie, 239

1230 **CBGS** 99.9 ON Sudbury, Quirks

1246 **CBGN** 96.1 ON North Bay, same 208

NOVEMBER 1 TROPO-SCATTER

1606 **CEMQ** 93.9 ON Ottawa, brn\$, 309

1515 **WRRR** 93.9 WV St. Marys, weak

with end of news, 93-R, not W-3-R 299

NOVEMBER 2 TROPO-SCATTER

2253 **WCLT** 100.3 OH Newark, rm\$ T100 250

NOVEMBER 3 TROPO-SCATTER

1604 **CBSM** 89.5 ON Sault Ste Marie

_ ID, wx, ID **CBSM** Northern Ontario 242

NOVEMBER 4 M.S.

1357 **CHIQ** 94.3 MB Winnipeg, "Q94 FM is

Winnipeg's Light Rock Choice..." 868

WFNX 101.7
ROCK THE BOAT RADIO

JEFF'S REPORT CONTINUES ON THE NEXT PAGE

JEFF FALCONER'S REPORT - continued

NOVEMBER 5 TROPO-SCATTER

0200 **WIGN** 97.7 OH Lima, g\$, Inspiration 97 240
 0444 **WRQK** 106.9 OH Canton, r\$, Rock 107, no legal 249
 1351 **WPCX** 106.9 NY Auburn, k\$ 249
 1427 **WVPE** 88.1 IN Elkhart, j\$, great signal 262
 1445 **WKSJ** 102.7 PA Williamsport, old r\$, Kiss-FM,
 be careful as **WKSJ** 102.7 is also "Kiss FM" 279
 1614 **WMXP** 100.7 PA N.Kensington, r\$, Mix 100.7 FM 229

NOVEMBER 7 TROPO-SCATTER

2056 **WODJ** 107.3 MI Greenville, old r\$, Oldies 107
 EX: **WPLB** 188

NOVEMBER 9 TROPO

1731 **CUSD** 94.3 ON Thunder Bay, end of sports in \$
 "94 FM", nice surprise 496
 1757 **WDOR** 93.9 WI Sturgeon Bay, promo for Sturgeon
 Bay Eagles, no CKMR 301
 1822 **WJMR** 101.5 MI Iron Mountain, old r\$ 354

NOVEMBER 9 TROPO-SCATTER

2235 **WBVE** 96.5 OH Hamilton, k\$, Cincinnati ads 329
 2252 **WAMO** 105.9 PA Pittsburgh, s\$, Hot 106, new noID 233

NOVEMBER 10 TROPO-SCATTER

1603 **WKYN** 97.5 PA St. Marys, r\$, 97-KYN, had just heard
 CKO had gone broke and left the air leaving 97.5 and 99.1
 DXable again from my QTH (temporarily, hi-gc) 212
 1611 **WONE** 97.5 OH Akron, r\$ 174
 1614 **WJIM** 97.5 MI East Lansing, br\$ 163
 1628 **WPXY** 97.9 NY Rochester, traffic, r\$, 98PXY 197

REPORT TO NORTHERN FM DX!!

Well, for the first time I finally have a good FM DX setup. The Stereo Probe has a much narrower beamwidth than the old log periodic. As a result I am able to get a good null on all my locals. Afternoon of October 21 I went up on the roof and turned the antenna to the west [before I had the rotor up]. When I returned to the receiver, all but my locals were being obliterated by aurora. Thought at first I'd loosened the lead by accident. Nothing new logged however. Had Es on November 4 on ch 2-4, nothing on FM. 73 for now, Jeff.

BILL NIENAJADLY - 98 HIGHLAND AVE. CLIFTON, NEW JERSEY 07011

NOVEMBER 1 TROPO-SCATTER

0630 **WJTL** 90.3 PA Lancaster, ID 140
NOVEMBER 2 GW/TROPO
 0717 **WCNJ** 89.3 NJ Hazelet, ID, only 10 watts? 35

NOVEMBER 3 TROPO-E-SKIP

0713 **WFOG** 92.9 VA Suffolk, nice and easy favorites 317
 new tropo-scatter record!!
 1758 **WPEW** 89.3 DC Washington, ID, more common 207
 2330-2345 E-skip on ch2, CCI, no IDs, another area DXer
 had channel 3 from Missouri (Springfield's KYTV?-gc)

NOVEMBER 4 GW/TRS/MS WSIA OFF

0019 **WMNJ** 88.9 NJ Madison, ID 35
 0027 unID 88.9 classical music meteor burst
 1132 **WYYY** 94.5 NY Syracuse, Y-94, HI Bill!!! 201
 1209 **WFZE** 92.9 VT Burlington ID State #26 261

NOVEMBER 10 TrS continued

1650 **CJMN** 99.1 PQ Rouyn, man in French gave ID that
 sounded like **CJMN**, quickly gone, would've been PQ#1 277
 1655 **WCJZ** 97.5 NY Watertown, r\$, 97-5 CIZ FM 277
 2355 **CBCE** 97.5 ON Little Current, "Mostly Music" 163

NOVEMBER 11 TROPO-SCATTER

1629 **WAAL** 99.1 NY Binghamton, rs\$, Hot FM 301

NOVEMBER 12 TROPO-SCATTER

0300 unID 99.3 ?? UnID Station testing with tones and
 music r\$ all morning. Still at it at 0515, no ID ever given
 Antenna pointed 120 degrees

NOVEMBER 13 TROPO-SCATTER

2223 **WFPK** 91.9 KY Louisville, c\$ 430

NOVEMBER 14 TROPO-SCATTER

1815 **CKWR** 98.7 ON Kitchener, light r\$, "Canada's
 first community radio station" Much wanted, 200 w. 49
 2246 **CBON** 18 88.1 ON Sault Ste. Marie, French talk 242

NOVEMBER 15 TROPO-SCATTER

1908 **WOVK** 98.7 WV Wheeling, k\$ 248
 2229 **WEEL** 97.3 WV Wheeling, mr\$, Wheel FM 248
 2232 unID 96.1 ?? classic r\$, New Gold FM, to SE

NOVEMBER 17 AURORA A Index-70 K Index-6!

2046 **CKME** 94.3 PQ Montreal, disco r\$, French, PQ#1

NOVEMBER 18 AURORA

0203 **WFCB** 94.3 OH Chillicothe, f, WFC B-94 FM,
 Chillicothe, a different kind of radio station 304
 0216 **CJMN** 99.1 PQ Rouyn, Likely the one with French
 talk here, CKMF still in
 0306 **WOZZ** 93.5 WI New London, briefly with ID & r
 0301 **CBMT** 93.5 PQ Montreal, r\$, Station with CBC Ster
 Network program // CBE 89.9 and CBBL 100.5

NOVEMBER 12 TROPO-SCATTER continued

0952 **WJUU** 102.5 NY Rome, confirmed by Bill Kretschmer
 2000+ troposcatter brief but fierce! **WRQX** 107.3 DC,
WQSR 105.7 MD, Southwest mainly and unID 92.9 religion
 unID 93.3 over **WMMR**, unID 106.9 over **WKDN** and more!

NOVEMBER 13 Locals 88.3 **WBGQ**, 96.3 **WQXR**, 89.5
WSOU, and all 88.7s/88.1s off. Except for unID meteor
 bursts and regular TrS-nothing!

NOVEMBER 14 TROPO-OUTSTANDING!!

0803 **WAAL** 100.9 MD Harlock, ID 210
 0805 **WAMU** 88.5 DC Washington, ID Hi Gus!! 207
 0820 many stations to the southwest unusually solid!
 0823 **WQHQ** 104.7 MD Ocean City, ID 188
 0844 **WAFL** 97.7 DE Milford, ID 170
 0847 **WAKG** 103.3 VA Danville, strong New Personal

BILL NIENAJADLY'S REPORT - continued

November 20: Locals 89.5 WSOU, 89.9 WKCR, 93.9 WNYC, 96.3 WQXR, 101.9 WQCD all off!! Meteor bursts 93.9 b, 101.9 k, , relogs WAVT 101.9 and CFMK 96.3. Finally some great stuff occurred on November 14 with supersolid stuff to the southwest, with WAKG at 415 miles; it was the icing on the cake!! My all time personal top record. The other side of the coin was November 20-what a bummer! 5 major locals off and next to zilch for DX \$#!@\$\$!! November 20 at 2200 fierce winds blew my FM Antennas down. Sigh, oh well. Might as well send in the report now. (That storm was one of the strongest cold fronts I have ever seen-gc). **HAPPY NEW YEAR and GOOD DXING!! Bill**

TOTALS: 313

FRANK MERRILL - P.O. BOX 669 - MACOMB, ILLINOIS 61455

Equipment: Macintosh MR78, channel master Stereo Probe 9 mounted at 45 feet. Occasional usage of another Stereo Probe 9 mounted at 8 feet

SEPTEMBER 16 GROUNDWAVE

0059 WCRI 98.5 IL Eureka, ID, testing with mx

SEPTEMBER 17 TROPO

0126 KMJX 105.1 AR Conway,2145 WWZD 106.7 MS Wizard 1062218 KHAA 106.7 LA Oldies 1062317 KHAA 106.7 LA Port Sulphur, Push you car radio about to Oldies 106.7, New Orleans Weather concert promo (I believe calls are now KQLD-gc)2333 WYHY 107.5 TN Lebanon2340 WRNO 99.5 LA New Orleans, jingle thru WQCY!2349 KSNE 104.3 AR Marshall

SEPTEMBER 18 TROPO

0013 WWKZ 103.5 MS New Albany, KZ-1030017 KYMC 89.7 MO Ballwin, mentioned that requests have doubled since power increase, gave calls0049 WWZD 106.7 MS New Albany, legal, Pontotoc ad and "Wizard 106" (STRICT), both tents now IDed0107 WVIC 94.9 MI East Lansing, calls at tune in

I've been at this one forever!! WAAG-IL still off Mon

0121 KTYL 93.1 TX Tyler, ch 7 ment, calls, weather0152 WVEZ 92.9 TN Nashville, EZ songs for EZ

people, WVEZ EZ93 (jingle)

0151 WGTZ 92.9 OH Eaton, New Z-93, then played a request for a Sohio station (Ohio only brand name)

KGRC rae silence

0201 KZLR 94.9 AR Pine Bluff, Kool 95 with oldies Buries Pine Bluff in legal ID (Pine Bluff is the worst city in Rand McNally, is that why the buried it?)0210 WKMX 106.7 AL Enterprise, wx, WKMX jingle0300 CJQM 104.3 ON Sault Ste Marie, strong! never gives a legal ID0310 KGRC 92.9 MO back on with programming0358 KYNZ 106.7 OK Lone Grove, legal ID, class A drop in and if so **MY FARTHEST CLASS A Tr**0408 KLUR 99.9 TX Wichita Falls, blood pressure PSA0453 KQID 93.1 LA Alexandria, legal ID0511 WBWA 105.9 WI Washburn0528 KVLT 106.1 OK Owasso0600 WGNR 88.9 MI Grand Rapids, ID w/WXYR 89.30611 WWEZ 92.5 OH Cincinnati, calls, time check0628 CHAS 100.5 ON Sault Ste Marie, blab, calls

NOVEMBER 18 TROPO CONTINUED

0701 WRHN 100.3 WI Rhinelander, wx, calls0715 KMJQ 102.1 TX Houston, Magic 1020725 KNGY 96.5 TX Houston, Energy 96.5 weather

(NICE CATCHES!-gc)

0747 KMCU 101.3 OK McAlester, regional news items

SEPTEMBER 19 TROPO

0301 KEBC 94.7 OK Oklahoma City, all OKC except

KJYO 102.7 blasting in!

0305 KVIL 103.7 TX Dallas, jingle strong Metroplex

signals on 97.9/105.3/this but faded immediately

0328 KTOZ 104.9 MO Marshfield, Buffalo ad, then

New Country 105 FM and weather

0355 KLUR 99.9 TX Wichita Falls, stronger than yest.0500 KSNE 88.9 MN Collegeville, legal ID, ant. South!0720 KMAG 99.1 AR Ft. Smith, calls, temp, time0722 KTCS 99.9 AR Fort Smith, heard this, no dice 93.70731 KTYL 93.1 TX Tyler, good signal0737 KPXL 100.7 TX Mt. Pleasant, NE Texas...X1000751 KZFX 107.5 TX Lake Jackson, Z-107, local ads

WHERE IS THIS ONES TOWER?

0827 KNGY 96.5 TX Houston, surprisingly strong0829 KQKE 102.9 TX Houston, ID, buried calls why?0829 KMJQ 102.1 TX Houston0856 KXKZ 107.5 LA Ruston, jingle, country0926 KFMK 97.9 TX Houston, calls, foodorama0937 KLDE 94.5 TX Houston, Oldies 94.5 KLDE1014 WEVR 106.3 WI River Falls, TONS of reg. news

1035 unID 95.9 POWER 96 (could be a tad off as I was

trying to avoid KMCD-IA), anybody know?

1050 KEYI 103.5 TX San Marcos, 2 ads, legal ID (Like

KZFX I would like to know where their tower is, so that I

can know which is my farthest Macomb Tr, as well as

whether I've broken my all time record of 843 miles to

KRMD 101.1 in Ohio, and Winnipeg 92.1/94.3 in Michigan

1101 WCAL 89.3 MN Northfield, reg. news, calls

SEPTEMBER 20 TROPO

0148 WWKZ 103.5 MS New Albany0212 KZFX 107.5 TX Lake Jackson

0250 Little Rock, 89.1/90.5/105.1

0302 KNOE 101.9 LA Monroe, calls, FM 102

0340 Houston on 94.5/96.5/102.1/102.9

STATION NEWS:

WNYZ 98.7 in Utica, New York has changed format to lite rock a la WLTW New York. Calls are now WLZW, Lite 98.7. No sign of the 92.1 WFBF translator for Clarence, NY. According to Frank Merrill, KIDS 97.9 Palmyra, Missouri is now on the air, with country music. KZLR 94.9 Pine Bluff, AR has reportedly switched to "Kool 95", oldies



FRANK MERRILL'S REPORT - CONTINUED

SEPTEMBER 20 TROPO cont.

0430 KGND 107.5 OK Ketchum, noted with mr fomat	370
0634 KKTZ 107.5 AR Mountain Home, "keep your dial set on KKTZ 107.5 and 94.3 FM" contest promo	320
0723 KHLT 94.1 AR Little Rock	410
2000 WHNN 96.1 MI Bay City	410
2002 WKJF 92.9 MI Cadillac, Tigers BB, rare here	420
2038 WKCO 98.1 MI Saginaw	420
2130 WMUZ 103.5 MI Detroit	410
2222 KZFX 107.5 TX Lake Jackson	800
2230 KKTZ 107.5 AR Mountain Home	320

SEPTEMBER 21 TROPO

0000 KTXQ 102.1 TX Fort Worth, lgl ID in & out w/KMJQ647	800
0002 KMJQ 102.1 TX Houston, fourth morning in a row!	800
0257 KLQL 101.1 MN Luverne, sign off	350
0300 KUTT 99.3 NE Fairbury, legal ID, AP News	350
My first Nebraska Class A	350

SEPTEMBER 21 TROPO continued

0334 KZFX 107.5 TX Lake Jackson	800
0339 KSBJ 88.3 TX Humble, calls, phone number	775
0500 K285DJ 104.9 IA Burlington, Legal ID as WCAZ	40
Carthage, 92.1 Keokuk, 104.9 Burlington	
<u>SEPTEMBER 27 TROPO</u>	
0600 NO FM Tr, but 500 miles easterly UHF tropo	
<u>SEPTEMBER 29 TROPO</u>	
0226 WKRQ 101.9 OH Cincinnati, Q102..#1 hit mx stn 330	
<u>SEPTEMBER 30 TROPO</u>	
0301 WESN 88.1 IL Bloomington, "This is WESN Bloomington, The Far Left FM"	110
0752 WGLC 100.1 IL Mendota, thru local WKAI	120
<u>OCTOBER 1 TROPO</u>	
2002 WJMU 89.5 IL Decatur, legal ID	130
<u>OCTOBER 3 TROPO</u>	
0802 WYAY 106.7 GA Gainesville	600
0811 WIMZ 103.5 TX Knoxville, exc. to GA on TV	485
<u>OCT.5: WIMZ again 0103, and lots of TV tuff</u>	

I really enjoyed the September Tr opening, which just sat there for days and allowed good long-haul stuff to pour in an night and around sunrise. I wish the New Orleans stuff had lasted longer because I had certain stuff on other frequencies like 93.3 and 95.7; but I'm not too worried because I am sure I will eventually hear them via Es. A highlight was the 106.7 bonanza, with four new stations, all over 400 miles, logged within 5 hours on the 17th/18th. That reminds me of the Monday Morning in 1982 in Ohio when WEFT-IL, WVIL-IL, WDCU-DC, WRTI-PA all on 90.1, were new for me within a three hour span. It still puzzles me how some Tr can be just incredible on UHF but have no effect on FM, and vice versa. (Maybe the density of the inversion varies, which could favor specific frequencies over others. Just a guess- anyone else out there have the answer to this question?-gc) I should add one more station to my report, though I did not officially ID or log it: Nov 13 GW 1310 KIDS 97.9 MO Palmyra 70 miles, local quality country from SW noted when testing MR78/T9090 at Jeff Kadet's. I was too disgusted to stick around for an actual ID. There are only several "clear" frequencies left here anymore (97.9 was one) and I surely hate seeing them vanish. Goodbye 97.9, you were nice. Oh well, it SHOULD open up 98.3 here. 24 HOURS 7 DAYS

TUNER REVIEW / COMPARISON:

by Frank Merrill and Jeff Kadet- MacIntosh MR78 and Onkyo T9090

13 November 1989, Jeff Kadet's QTH 1400 CST, Stereo Probe 9, Channel Master FM antenna at 45 feet) This was not an exhaustive test, but I feel it was an adequate test which enable me to come up with a valid conclusion. SENSITIVITY TESTING:

- (1) WGKX 105.9 Memphis (375 mi). Extremely weak and fady, our threshold of distant daily reception. 20% readable on Onkyo, about 30% on MacIntosh. Difference probably mostly due to slightly better sound of the MR78, though seemed to be a slight increase in signal on the MR78. Not a big difference.
- (2) KKYA 93.1 SD Yankton (400) / KXLP 93.1 MN New Ulm (350) KKYA noted on neither receiver, they are not daily reception here, but they appear on most days. KXLP very weak. just barely there, and no detectable difference between receivers.
- (3) WKWC 90.3 KY Owensboro (260), I decided we should try for WPLN-TN, but this was coming in instead. Both normally fade in and out weakly during the day with WPLN being more common. No difference noted between receivers, in picking up this "g" station.

SELECTIVITY TESTING:

- (1) KEZK 102.5 St.Louis (140) This is right next to hyper-local 102.7 WJEQ (2 miles) so it takes a good receiver to get this. They are SSSE of Jeff's QTH, and WJEQ is approximately NE. Antenna was pointed ESE so that KEZK would be weakened and the antenna would begin to catch the front lobe for WJEQ. During this test, WMDH-IN occasionally jumped on top. Both receivers seemed to be EQUAL in handling WJEQ splash here. Splash was noticeable, but minimal on both. Presumably the MR78 was tuned slightly below 102.5, the T9090 had moderate splatter on 102.5 but equalled the MacIntosh when tuned to 102.475. This was the only test mafde, because it seemed so valid.

OVERLOAD TESTING

- (1) 105.3 This frequency was chosed because it has severe mixing problems from WKAI 100.1 and WJEQ 102.7. Antenna was nudged to the North until WASK-IN and the WJEQ/WKAI overload were equally as strong on the MR78. Switching to the T9090, WKAI/WASK/WJEQ were also equally strong.

FRANK AND JEFF'S TUNER REVIEW CONTINUES ON THE NEXT PAGE.....

FRANK AND JEFF'S TUNER REVIEW - continued

OVERLOAD TESTING:

(2) When the antenna is pointed directly at WJEQ 102.7, overload tends to "eat up" the high end of the band (above 102.3) on either receiver. If you have extremely strong locals you may, unfortunately need to consider a receiver with good overload figures (and a probable sacrifice of sensitivity). This would especially be true if you're near an "antenna farm" such as Chicago's Sears Tower or Toronto's CN Tower, or you have such superlocals in your favorite direction. Or use a good trap or attenuator.

CAPTURE RATIO: Not tested, couldn't think of a good test.

CONCLUSION: The performance of the MR78 and T-9090 seem virtually identical, which is good news for any DXers who have despaired of the price and/or the hassle of finding an existing available MR78. I probably could have done a more thorough overload test but I had to be somewhere else; and it does appear that there cannot be a huge difference here anyway. I understand the T9090 has been discontinued, so maybe you can find a cheap one. Hopefully the new model adequately replaced the T-9090 as an excellent DX investment! (Frank and Jeff, **Thank you** for doing this interesting article!-gc)

BILL KRETSCHMER - 104 KOPP AVENUE - N.SYRACUSE, NEW YORK

1989 WTFDA CONVENTION DX REPORTAUGUST 4 TROPO-SCATTER

WSEN 92.1 NY Baldwinsville OFF AIR, T-Storm

WDLA 92.1 NY Walton

AUGUST 4 E-SKIP

KWYR 93.7 SD Winner

KPAT 97.3 SD Sioux Falls

AUGUST 5 TROPO-SCATTER

1700 WBCN 104.1 MA Boston

1703 WLWH 93.7 CT Hartford

1709 WKNE 103.7 NH Keene

1710 WODS 103.3 MA Boston

WKGW 104.3 Utica off most of the weekend

1711 WNCN 104.3 NY New York

1713 WBSB 104.3 MD Baltimore

1720 WPST 97.5 NJ Trenton

AUGUST 5 E-SKIP

AFTER 1800-

CKIX 99.1 NF St. Johns

CBAF20 105.9 NF St. Johns

CHQZ 94.7 NF St. Johns

CBAF24 95.9 NF Sydney

CBAF27 88.7 NS New Glasgow

AUGUST 7 TR-SC WYYY 94.5 OFF

0043 WDAC 94.5 PA Lancaster

0043-0046 series of M.S. bursts

0053 WZOU 94.5 MA Boston

0058 WMAS 94.7 MA Springfield

0129 WCTQ 94.3 NY Smithtown

-END CONVENTION 89 DX-

98.5 KRZ
MORE MUSIC - MORE MONEY - MORE FUN

WLZW Utica 98.7 call letter format change November 20, 1989, ex: WNYZ. New Format lite and easy favorites, same as WLTW 106.7 NYC. Running live jocks and no satellite hookup. This station joins many others around the country in the "Lame Radio Network" (LRN). Lite and Easy Favorites like Anne Murray, Hall and Oates, Helen Reddy, Petula Clark, etc. Bob Smolarek and I promo raided the Utica / Rome market November 24th and stooped by and got a tour of WLZW/WIBX (950 AM). We spoke with the announcer and he said most of the jocks hated the new format due to constantly limiting themselves to reading "Q" cards and playing from a small music list. The reason the owners (at WIGY) (Does this mean WIGY switched too, or are they just the same owners as WLZW?-gc) switched is because of the high ratings of WLTW 106.7 New York Running Close to Z 100

OCTOBER 16 TROPO-SCATTER

0012 CJBK-4 99.3 ON London, WSFW off

OCTOBER 19 TRS-Smith Hill Power Failure

off: WKTV-2, WUTR-20, WUNY 89.5, WOUR 96

.9, WNYZ 98.7, WRCK 107.3

1755 WJIB 96.9 MA Boston

1759 WAAF 107.3 MA Worcester,

Boston's untamed radio

1803 CITE 107.3 PQ Montreal

1809 WRKS 98.7 NY New York

1810 CKOI 96.9 PQ Verdun

1821 WNWV 107.3 OH Elyria, The Wave

1829 WDBA 107.3 PA DuBois, WNWV mix

1852 WCBX 98.7 NY Corning, AC Satellite

1859 CIUT 89.5 ON Toronto

1931 WMYG 96.9 PA Bradnock, AOR, Magic 97

OCTOBER 20 GW/TROPO-SCATTER

0000 WCIH 90.3 NY Elmira, gospel family radio

0001 WFBF 89.9 NY Buffalo, WRVO off

0105 WRCN 103.9 NY Riverhead, WDOS off

0200 WJIB 96.9 MA Boston, WOUR still off

1200 WCII 88.5 NY Spencer, gospel family radio

1300 WMYG/WJIB, 1900 WOUR finally back on

OCTOBER 23 SUPER TROPO!

0100 WQBK 103.9 NY Rensselaer

0100 WIOQ 102.1 PA Philadelphia

0118 WDAZ 105.3 PA Philadelphia, CKBY mix

0129 WYSP 94.1 PA Philadelphia

0151 WVIP 106.3 NY Mt. Kisco, strong!

0152-0330 Philly, NYC, Hartford, Providence,

Boston (E-South) FM and TV strong (W to NW)

Toronto, Buffalo, Detroit, Ottawa, strong!

WKBD-50 and WTVS-56 Detroit snow free!

735 Bill

ERNEST COOPER - 5 ANTHONY STREET - PROVINCETOWN, MASSACHUSETTS 02657

Equipment: Realistic STA52 & McIntosh MR-78 FM tuner and 9 element rotary beam antenna.

JULY 16 TROPO

1217 WYJY 94.3 ME Biddleford, m, tough verifier

JULY 23 GROUND WAVE

1010 WBJB 102.7 RI Narragansett, announced classical till 1300; jazz till 1800, and pop till 0100

JULY 25 TROPO

0225 WUSB 90.1 NY Stony Brook, r

0253 WLTU 95.7 VA Norfolk, rock oldies (ro), New Y-96

0311 WKTU 98.3 NJ Ocean City, r

0758 WHRO 89.5 VA Norfolk, news

0801 WTEB 89.3 NC New Bern, c

0806 WMYK 93.7 NC Elizabeth City, k (Do you mean s?

This station is urban-gc)

0837 WNOR 98.7 VA Norfolk, news

0907 WAFX 106.9 VA Suffolk, r, The Fox

JULY 25 E-SKIP

0958 WYFM 89.5 GA Columbus, g

1109 WMAW 88.1 MS Meridian, c

1128 KABF 88.3 AR Little Rock, another tough verifier

AUGUST 1 TROPO

0944 WDME 103.1 ME Dover-Foxcroft, m, played a record at the wrong speed, lots of local commercials

AUGUST 2 TROPO

0302 CJMOt 103.1 NB Moncton, "The Heart and Soul of Rock and Roll", only 1Ds used are Rock 103, no calls

AUGUST 6 TROPO

0724 WCDQ 92.1 ME Sanford, r

AUGUST 7 TROPO

0244 WPKM 106.3 ME Scarborough-Portland, c, again 0729

AUGUST 29 TROPO

0219 CJMO 103.1 NB Moncton, in again, Rock 103

0221 CKO9 102.7 NS Halifax, all news and talk

0235 CBAF21 107.5 NS Middleton, CBC French network

(CBC Halifax sent a v/q for CBH-FM 102.7!)

This was my first AU experience on the FM band! Twas fantastic, with several NC, Delmarva, Tidewater, and South Jersey stations dominating normal signals, even stations in Boston and Cape Cod!

MORRIS SORESENSEN - BOX 422 - PORT CARLING, ONTARIO P0B 1J0**OCTOBER 4 GROUNDWAVE**

2200 CBCQ 91.5 ON Hillsdale, CBC "Ideas" ending, ID for "CBC Southern Ontario service" after CBC National news-god signal but weaker than CBC relay on 105.9 in Orillia (also known as CBCO) and much weaker than CBCM 107.5 Midland, the two stations which it is apparently intended to replace. WXXI would probably cut it up pretty badly in this area during a decent tropo opening.

OCTOBER 11 TROPO

2135 CFMX1 96.3 ON Mississauga (Toronto), classical music, talk by male announcer // CFMX 103.1 Cobourg, some splatter from Penetanguishene on 96.5. This had been one of my most wanted station and closest unheards.

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

Equipment: Pioneer TX9100 tuner, Radio Shack 6 element FM antenna, CAC 11 coax used, with archerrotor as well. Antenna estimated about 25' AGL.

Not much to report-thing have been very busy and not much time to DX at all. On November 4th I did note two new stations on the air: **WCIB 89.1 NY Friendship** and **WCII 88.5 NY Spencer**. They relay the network that consists of WCIH 90.3 Elmira and WCIK 103.1 Bath. Also I have been hearing rock oldies to the Southeast on 95.5. I suspect this to be the new WKHL 95.5 Salladsburg, Pa. Only other DX of interest: October 1 (I think): CIXK 106.5 OwenSound, Ontario came over 10 mile local WYRK!! This was quite a surprise. Also, in late November, the CKO network went dark, leaving 99.1 open for about a week for DX. I heard unnn WAAL Binghamton on GW, logged NEW WHFS Annapolis (progressive rock music) and WIYQ Ebensburg, Pa (oldies for Johnstown). Tentatives on Zarepath, NJ (religion), East Lansing, Michigan (Lite rock), Dayton! 380 miles! (country). Now the CRTC has placed a permanent tone on 99.1 until another user can be found #\$\$@#!!!! If you ask me this is just a waste of electricity, and DX! Nothing else DX wise. Thanks for your comments about the new printer-comments are always welcome! And thanks to all who reported in 1989-keep it up in 1990! **HAPPY NEW YEAR!** 73, Greg

SEPTEMBER 5 TROPO

1115 WMNR 88.1 CT Monroe, verie says they're relayed now by WLSL 91.9 in New Canaan, Conneticut

SEPTEMBER 7 TROPO

0751 WSHQ 103.5 NY Cobleskill, "Show Radio, simulcasts WSHZ 98.3 in Amsterdam, New York"

SEPTEMBER 8 TROPO

0200 WSLC 89.5 MD Salisbury, c, reluctant verifier

0305 WBEY 103.1 MD Grasonville, Country 103

0720 WESM 91.3 MD Princess Anne, Delmarvas Jazz stn

0832 WXTU 92.5 PA Philadelphia, Country WXTU

0840 WALZ 95.3 ME Machias, // WMCS-AM

0910 WADB 96.5 PA Philadelphia

0924 WUSL 98.9 PA Philadelphia, Power 99

0927 WZXL 100.7 NJ Wildwood, instead of regular

...similar call WZLX.

SEPTEMBER 9 TROPO

0222 WWTR 95.9 DE Bethany Beach, 96 Rock

SEPTEMBER 10 TROPO

0224 WKQJ 92.7 NY Middletown, r

SEPTEMBER 20 TROPO

0958 WVIP 106.3 NY Mt.Kisco, r, at last a verie, a PP/c

OCTOBER 24 AURORA

1002 WNCT 107.9 NC Greenville, r, in solid all day long!, I called to try to be 6th caller for Al Hirt concert- I missed!

1230 CIOK 100.5 NB St. Johns, K-100, strict

1244 WZXL 100.7 NJ Wildwood, in again, r

1313 WKOQ 98.7 NC Jacksonville, Cool 98.7, exWRCM

1700 WSLC 89.5 MD Salisbury, "All Things Considered"

(Except DXers!)

2133 WZBH 95.3 DE Georgetown, r

2204 WYEL 92.5 NC Henderson, g, Box 888 address is no good-my letter came back-anybody know correct address?

2233 WCJL 102.3 NJ Cape May, g

Twas fantastic, with several NC, Delmarva, Tidewater, and South Jersey stations dominating normal signals, even stations in Boston and Cape Cod!

PHOTO NEWS

JANUARY 1990 page 1

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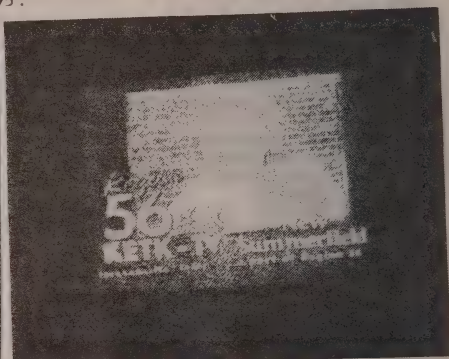
David J. Nieman

Hope everyone had the happiest of holidays and are ready for the 90's. We start off right were we left it with Jeff Kadet - Macomb, Illinois. Equip. Zenith 9" & 12" black & whites, Zenith N1310, Zenith Y1310 all 1979-1982 sets. Antenne: Winegard CS-2073 10 element channel 7-13 log periodic with CP-3800 preamp, RG-11 coax at 80'; Channel Master 7' dish with PA-4975 preamp, 1/2" alum. hardline, at 75'.



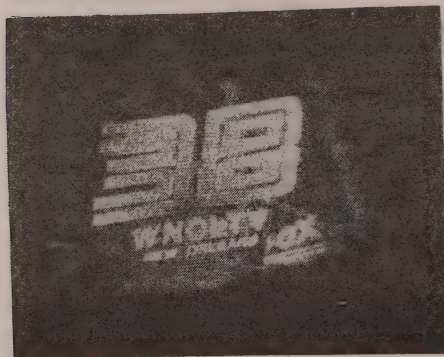
K62DA
[WREG-3]

Malden, Missouri
275 mile tropo
seen August 30 1989
at 0333 CDTime



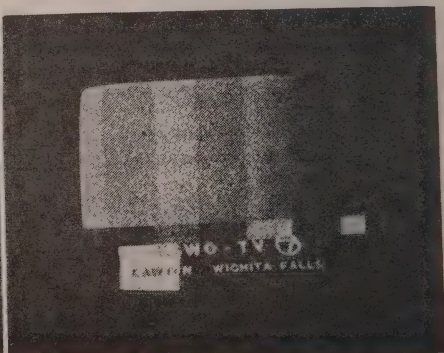
KETK-56

Jacksonville, TX
650 mile tropo
seen Sept 17, 1989
at 2240 CDTime



WNOL-38

New Orleans, LA
725 mile tropo
seen Sept. 17, 1989
at 0435 CDTime



KSWO-7

Lawton, Oklahoma/
Wichita Falls, TX
616 mile tropo
seen Sept 18, 1989
at 0226 CDTime

PHOTO NEWS

JANUARY 1990 page 2

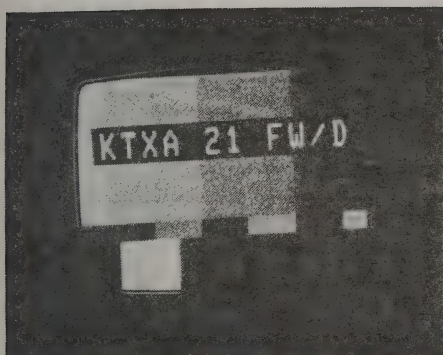
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EDITED BY
David J. Nieman

and the dx continues....



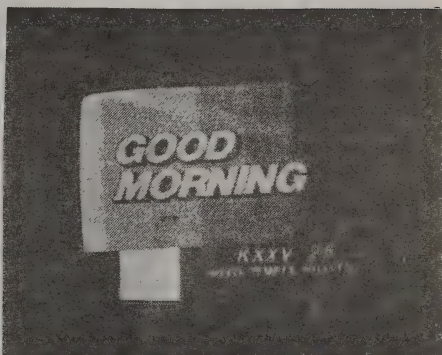
KTXA-21

Ft. Worth/Dallas
Texas

645 mile tropo

seen Sept. 18, 1989

at 0424 CDTtime



KXXV-25

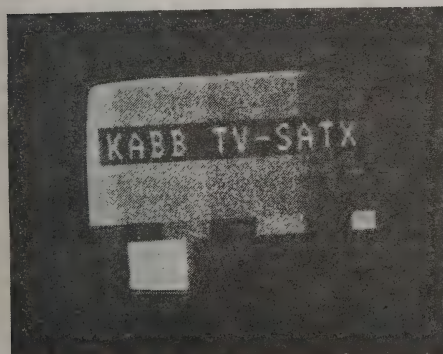
Waco/Temple

Killeen, Texas

733 mile tropo

seen Sept 18, 1989

at 0426 CDTtime



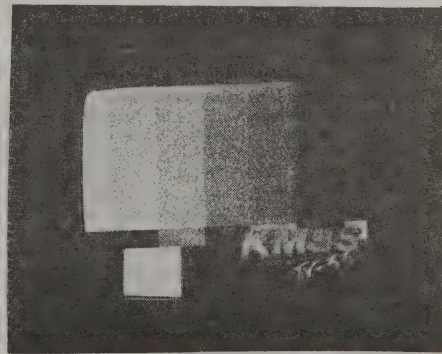
KABB-29

San Antonio, Texas

883 mile tropo

seen Sept. 18, 1989

at 0520 CDTtime



KMSS-33

Shreveport, LA

567 mile tropo

seen Sept 18, 1989

at 0532 CDTtime

TO BE CONTINUED

:SOUTHERN FM DX:

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

January 1990 **Happy New Year!***

DEADLINE: 10th

For FM DX reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV.

Not a lot unusual or very extensive coming in lately this time of year DXwise. Things have been all too typically slow in the FM South. Trop this month stays below 350 miles. Adding stations that are new to the air to your log looks to be a good way to get some results out of the current lull as some reporting suggests. In a different matter, the McIntosh gets compared to a Onkyo. If you happen to get some DX, please report it. Let's find out what's going on out there in the world of DXing.

Bill Townshend, 4500 Conn. Ave. N.W. #901, Washington, DC 20008

10/6 tr (at Office)	10-24 tr
0900 WJBR 99.5 DE Wilmington	0804 WRDU 106.1 NC Raleigh
10/16 tr	0815 WSKX 106.9 VA Norfolk
0913 WNCE 101.3 PA Lancaster	11/14 tr
0922 WDAS 106.1 PA Philadelphia	0804 WMGK 102.9 PA Philadelphia, Magic-103
0938 WOGL 98.1 PA Philadelphia	0812 WWDB 96.5 PA Philadelphia
Equipt.: Realistic Portavision-55	7/2 tr (at home)
73's	2149 WXRI 105.3 VA Norfolk

Keith D. Pugh, 227 Martin St., New Hope, AL 35760

Equipt: Onkyo T-9090, McIntosh MR-78(after	11/14, \$ Probe 9
Many new to the air stations are starting	to show up:
11/1 gw 127	11/13 tr
1000 WZLM 97.3 AL Dadeville, \$, rm, new	0929 WQUH 103.1 FL De Funiak, nx, ID 262
1043 WSIB 93.9 TN Selmer, r/oldie mix, 134	11/14 tr (1cl.WLRH 89.3 at low power)
mono, w/ J-94 non ID, new to air	1459 WJJC 89.1 IL Mount Carmel, rp, ID 260
(Tell me how you get J-94 out of WSIB!)	11/18 trs (DX w/MR 78 tuner)
11/2 gw	1956 WENS 97.1 IN Shelbyville, "lite Rock 97"
1257 WAYA 93.9 TN Spring City, \$, Lite	ID 335
oldies, "Way-FM"	2009 WHHT 106.7 KY Cave City, r, ID 179
11/3 trs 220	11/19 gw (new to air)
1618 WMOG 102.7 KY Springfield, \$, r, "Q102"	1012 WBDX 102.7 GA Trenton, finally gave ID af-
11/5 ms	ter almost 2 weeks to equipt. testing, still
1612 KAJA 97.3 TX San Antonio, "cloudy &..	not on full time. WBDX has \$ 56
..degrees at KJ-97"	11/20 gw (new to air)
1824 KATX 97.3 TX Plainview, "K-Tex is	WAVE 95.7 TN Graysville, dual ID w/WAYA
KATX..." 860	93.9, w/\$ 95
11/10 tr (1cl WTXW off)	11/26 tr
1830 WQZY 95.9 GA Dublin, r, ID 240	1834 103.1 unID ?? "It's the year of the cat,

Went out and bought the McIntosh tuner Nov. 17 after seeing an ad in the paper. The man who sold it bought it new in 1975 and has taken very nice care of it. Only one problem with the MR-78, the sensitivity is much lower than it should be. But I'm using the Archer FM amp and that brings it up to par with the Onkyo. One thing for sure, the MR-78 works like it should on adjacent selectivity. Aimed at Huntsville locals, the Onkyo will hear a goodbit of splatter on adj. channels, but not enough to bother a strong skip signal while the MR-78 will tune out almost all adj. splatter. And I've received a few stations on the Mac that are normally rare or heard only once before on the Onkyo. But that's the difference between 38 db and 55 db adj. sel. with no trop conditions. I think, for my location, the difference for both tuners are about equal if skip is present. So far, DX has been in a lull since getting the Mac. After 14 years the tuner is likely in need of alignment, maybe the reason for the low sensitivity. The previous owner told me he mostly listened to one station on the Mac, WRSA 96.9 Decatur, AL.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075

11/26 gw	11/26 ex-gw (new to air)	150
1800 K20ZD 88.3 OK Choctaw, KNYD xlator in	1900 KWMQ 103.1 MO S. West City, ID, k, \$	
eastern part of OKC metro area 50		

Well, this is the time of year when the weather in Oklahoma gets mocked at as being worse than Anchorage's. Winter's chill is coming on unusually strong in Oklahoma, as this is being written, with threat of snow by weekend. Oklahoma doesn't have a monopoly on weather mockery, though. Around Dec. 10th, two 2000' TV towers serving Raleigh, NC toppled from an ice storm. Hopefully, this does not mean the start of a new bad winter. Until next month, hopefully under warmer terms, 73.

HAPPY DXING THROUGHOUT THE 90's!

WESTERN TV-DX

Fred McCormack
Box 9077
Prairiewood Station
Fargo, ND 58106-9077

January 1990

Deadline: 02-08-90
Cut-off: 11-01-89

November 1989 was an uneventful month for the traditional modes of TV-DX propagation. Such was notably not the case for F2 propagation which Jeff Kadet has been monitoring extensively.

Thanks to the careful reading of Western TV-DX by Mike Parks, I have to apologize for a contradiction which crept into the October column. In response to a comment by Jeff Kadet that he doubted if WLKT-62 was still on, I commented that WLKT-62 reportedly went dark on July 7, 1989. However, as Mike pointed out to me, in the same column both Bill Draeb and Nate Ely reported seeing WLKT-62 in August. The Addenda to Television & Cable Factbook which reported them going dark has not reported them back on. Can anyone enlighten me?

New _____ New Mode _____ Tent. - t Unidentified - unid S/On - + S/off - =
ID Color Bars - ● Unid Color Bars - % Misc. Test Patterns - &
Parallel Programming - //

CH Chihuahua

Frank Merrill, P.O. Box 669, Macomb IL 61455

EDT/EST

Equipment

Zenith L1310G 13 inch with (Winegard 8100?) combination V-U antenna at 40 feet.

<u>August 1989</u>				18 tr	0535	KXXV	25 TX	732	19 tr	0549	●KCCN	6 TX	733	
3 tr (See Note # 1)					0546	WLUC	6 MI	430	1100	KAAL	6 MN	254		
					0547	WTOL	11 OH	390			(SUPER rare)			
						WJFW	12 WI	367			KITN	29 MN	330	
<u>September 1989</u>						KDAF	33 TX	647			(Snow free)			
16 tr	2351	KARD	14 LA	584		KHTV	39 TX	801			WLEF	36 WI	379	
(See Note # 2)					0620	WXON	20 MI	405			WHWC	28 WI	323	
17 tr	0102	KLMG	51 TX	615		WNTV	9 MI	410		2246	KHBS	40 AR	432	
		KETK	56 TX	635		0632	KMSS	33 LA	568		(See Note # 5)			
	0127	WXVT	15 MS	470			KHBS	40 AR	432		KAKE	10 KS	410	
		KASN	38 AR	425		(Gets out better than before)				2328	KOED	11 OK	410	
	0300	WXXV	25 MS	577	0635	●KABBT	29 TX			2331	KOZJ	26 MO	330	
	0359	KQSD	11 SD	577							(Rare)			
	0429	KESD	8 SD	429	0640	KAFT	13 AR	370	20 tr		(See Note # 4)			
	0430	KTSD	10 SD	548		KWKT	44 TX	733	0200	WNTV	9 MI	410		
	0510	KTSD	10 SD	550		KXLN	45 TX	801		(Readable u/KETC w/antenna south)				
(See Note # 3)						KTBO	14 OK	510		0305	KOTV	6 OK	410	
	0618	KATV	7 AR	422		KETK	56 TX	635		0403	KTBCt	7 TX		
ms	0628	KPRC	2 TX	800	0900	KLMG	51 TX	615		0630	WAAY	31 AL	455	
	0634	unid channel 6				(Tryng for KFAA)					WAFF	48 AL	457	
		("Fox 6" logo)			1930	KATV	7 AR	422		1950	WCMU	14 MI	371	
tr	0656	KOLN	10 NE	304	2026	WNTV	9 MI	410			CBLN4	45 ON	430	
	0708	KCAU	9 IA	340	2200	KGMC	34 OK	510			WXYZ	7 MI	410	
		(Blasting!)				(See Note # 4)				2122	CKCO1	42 ON	430	
	0758	KHGI	13 NE	431	19 tr	0235	KTUV	4 OK	510		WKBD	50 MI	410	
		(Rare)				0430	WFAA	8 TX	647		WXON	20 MI	410	
	0847	KHNE	29 NE	390			KTRK	13 TX	800		(See Note # 4)			
	2342	KTVT	11 TX	647		0454	K46AH	46 OK	480	21 tr	0005	KARD	14 LA	584
		KDXT	58 TX	647		(Medford WHO -13)						KETH	14 TX	801
	2354	KXLN	45 TX	801		(Normal KETA-13)						KTBO	14 OK	510
18 tr	0239	KLTJ	22 TX	820		0503	K30AE	30 OK	480		(This combo seen on several days)			
	0301	KTMD	48 TX	820			(Alva WHO -13)				0130	=KHAS	5 NE	406
		(Chinese)					(Norm- KETA via K46AE)					WLEF	36 WI	379
	0325	●KSWO	7 OK	618		0507	K44AR	44 KS	400		0136	KOLN	10 NE	304
	0330	Most Dallas/					(Salina TBN)					KGIN	11 NE	428
		Houston U's				0530	KETH	14 TX	801			KELO	11 SD	368
	0334	KTRK	13 TX	800		0531	●KLTU	7 TX	603			KRWF	43 MN	380
	0501	●KETA	13 OK	510		0538	KHOU	11 TX	800		0150	St James x1t 320		
		K36AB	36 OK	618			K30AE	31 OK	480					
		(Lawton KETA-13)					(With KWHB-47)							
	0505	KDOR	17 OK	395										

Frank Merrill (continued)

21 tr 0150	KWCM 10 MN 423	28 tr 0800	WYMT 57 KY 461	3 tr 0702	WDSI 61 TN 467
	(See Note # 3)	29 tr 0315	WSFJ 51 OH 450		WKSF 61 KY 430
0235	KESD 8 SD 429		WPTT 22 PA 567		XWTCI 45 TN 467
0357	KUSD 2 SD 409		WPGH 53 PA 567	0720	ALL KY PBS x35
	KCEN 6 TX 733	0455	WUPW 36 OH 390		WSBN 47 VA 498
0440	KTRK 13 TX 800		(Rare)	0743	WETO 39 TN 529
0530	WBMG 42 AL 527	30 tr 0150	Lexington Us 325		(Snow free)
0610	WAAY 31 AL 455		(Snow free)	0833	WYMT 57 KY 461
0730	WAFF 48 AL 457	0300	W68BR 68 IL 150	0917	WNGM 34 GA 600
	WZDX 54 AL 455		(Rockford WCFC-38)	0930	WFLI 53 TN 492
0740	Texas gone	0308	W36AO 36 IL 180	0940	WVEU 69 GA 580
22 tr 0109	KXTX 39 TX 647		(Palatine VJN)		WCAJ 68 AL 525
	KHBS 40 AR 432	0323	W24AI 24 IN 230	0946	WJSU 40 AL 560
0510	WHBQ 13 TN 375		(Michigan City TBN)		WAFF 48 AL 457
0640	KASN 38 AR 425	0336	W22AJ 22 IL 200		WBMG 42 AL 527
27 tr 0100	WHSL 46 IL 140		(Waukegon VJN)	1015	WCFT 33 AL 540
	(Home shopping)	0630	W65-- 65 ??		WLTV 38 GA 650
0525	W51AU 51 TN 529		(See Note # 5)	4 tr 0403	WVTM 13 AL 525
	(Greenville WKPT-19)	October 1989			WTTT 21 AL 527
0530	Lexington Us 325	1 tr 0600	Detroit U's 410		WBMG 42 AL 527
	WETO 39 TN 529		CBEFT 54 ON 410	5 tr 0005	TN north AL UHF's
	WNRWt 45 NC		CITY2 31 ON 550	0050	WGNX 46 GA 580
	(CCI only)		CKCO1 42 ON 430		KARD 14 LA 584
	WEFCT 38 VA		CKCO 13 ON 600	0059	WTTT 21 AL 527
	(CCI only)		WTVG 13 OH 390	0115	WAAY 31 AL 455
0540	WPDET 15 SC		(Rare)		WBMG 42 AL 527
0545	WJHL 11 TN 500		CIC059 59 ON 475	0135	WJSU 40 AL 560
	WXON 20 MI 405		CBFLT10 48 ON 475	0150	WVEU 69 GA 580
0550	K45CA 45 MO 200		CBFLT9 53 ON 520	0300	W46-- 46 ??
	(Cape Girardeau TBN)		CBFLT8 61 ON 600		(Unknown TBN)
	WAFF 58 AL 457	0620	WNYBT 49 NY		(See Note # 6)
	WTTT 28 OH 410	0632	WXYZ 7 MI 405	0359	WDBB 17 AL 540
ms 0555	WECT 6 NC 783	0716	CBLN 40 ON 520	0558	WCLP 18 GA 515
tr 0555	WHNT 19 AL 455	3 tr 0522	WLOS 13 NC 555	0605	WHNT 19 AL 455
0600	WDKY 56 KY 325		(Bullseye TP)	0629	WBDX 54 AL 455
0626	WTTT 21 AL 527		WETO 39 TN 529		WCOV 20 AL 612
	WZDX 54 AL 455	0540	WTSB 31 GA 736		(See Note # 7)
0630	WTAP 15 WV 458		WPTT 22 PA 567	1020	WGNX 46 GA 580
	(Rare state)		WKBS 47 PA 620		WATL 36 GA 580
	WKPT 19 TN 538		WSFJ 51 OH 450	1030	WEVV 44 IN 225
	(Over WHOI-19)		WJHL 11 TN 500		(See Note # 8)
28 ms 0414	WCBMT 6 PQ 900		Lexington Us 325	1029	WMTG 41 GA 660
	(Phillips TP)		Macon GA CCI on	2120	WAFF 48 AL 457
0430	CITY2 31 ON 550		13,24,41 600		WBDX 54 AL 455
	CKCO 13 ON 600	0550	W51AU 51 TN 529		WXTXt 54 GA
	CKCO1 42 ON 430		WKPT 19 TN 538		all fade quickly
	Detroit U's 405	0553	WTVM 9 GA 650	November 1989	
tr 0524	WPGH 53 PA 567		(0558 sign/on)	11 Es 1507	unid ch 2 sw
	WPTT 22 PA 567	0615	WTBS 17 GA 580		(Briefly)
0730	CITY 57 ON 620	0630	WPBY 33 WV 440		
0800	WTSF 61 KY 462	0653	WUNF 33 NC 553		
	WKON 52 KY 339		(Still no WHNS!)		

Note # 1 - WTOM-4 MI: I have verified that the "Yesterday, Today and Tomorrow" and "Dairy Queen" ads that I saw were LOCAL inserts, not part of the network, even though the former was a network show. Therefore I have now counted this logging, formerly tentative.

Note # 2 - Time listed here is CDT, for just this one logging, for no other reason than to show that this was the first of SEVEN consecutive dates of gulf coast states tropo. This would translate to 0051 EDT and would show up here as six dates of such tropo, though my logs (kept in CDT/CST) show seven.

Note # 3 - This was first logged at a friend's house (actually the place I lived during 1985-1987, including the 1986 "Thanksgiving feast" etc.) because KTSD-10 is from my northwest and so is WJEQ-102.7, which has a nasty mixing product on channel 10 here. Jeff was getting this, and I realized it would probably be impossible from here, so I went over there and logged it. They DID know that I would possibly be coming over.

Frank Merrill (continued)

Surprise, surprise, I was able to see it here at 0510 in spite of WJEQ! For it to come in from that direction, it must have been virtually snow free. And on September 21 I was surprised, for the same reason, to see northwesterly KWCM-10. From the QTH used to log KTSD at 0430, WJEQ is to the northeast and somewhat further than it is from here, and it was still a difficult logging from there even in WJEQ's null. That QTH is only three blocks from Jeff Kadet's.

- Note # 4 - Stuff seen on almost all of the dates from September 19-21: Dallas U's, Houston U's, KWKT-44 TX, KETK-56 TX, Galveston channels 22 and 45, KMSS-33 LA, Oklahoma City U's and KWTU-9, Tulsa's except KJRH-2. Kansas 10 and 24 were seen twice. Many are listed separately on September 17 and 18 to give some initial perspective on the nature of the openings and some idea of the distances. I also had tentative KABB-29 TX one or two times, but kept having WTTK-29 IN problems.
- Note # 5 - September 30: This could have been WLJC-65 KY, but Lexington's were not particularly strong and this one was watchable. I had it marked down in my notes as WLJC, but now think this must have been a translator somewhere. I did not determine whether it was TBN or not, but Jeff has seen it also, and I think he said it was TBN. Direction was from the EAST.
- Note # 6 - October 5: Offset was 46+ according to Jeff's Icom R-7000, so not Atlanta or South Bend, nor WHSL testing. Direction was definitely a bit east of south. PTA: deep southern Illinois, extreme western Kentucky, "boothill" of Missouri, extreme eastern Arkansas or western Tennessee, or Mississippi.
- Note # 7 - October 5: EGAD! After 28 years of DX'ing in three states, this was my very first logging, EVER, of anything from Montgomery on TV!
- Note # 8 - October 5: Note that WEVV is 44-, not 44z as shown in the Data Base. Correct your books. This had both Jeff and myself fooled, hoping that we were watching WVG-44 GA.

Total is about 918, plus or minus a couple. For instance, I am not sure whether I have yet eliminated my mystery channel 63, nor even my due southerly channel 45 unknown LPTV (Country Music Television) from my November 1986 loggings, and there could be one or two stations I keep "relogging" that somehow never were initially logged in the first place. My unknown channel 45 could be the same station as the Cape Girardeau (per Jeff) TBN logged above, because there have been other LPTV's that were sold to TBN in the past, such as Ottumwa channel 42. I have never failed to omit at least some loggings of "common" stations on any band I've ever actively DX'ed, but I think I took care of most or all of these omissions during March and April 1986 when I finally logged about 20 stations I thought I had logged before!

There has been no substantial tropo since October 5th, forty days ago as I write this! I was out of town for eight days, however, and I believe I may have missed something during the warm weather around October 13th. I am looking forward to any tropo openings this time of year because, though they are not as common as summertime tropo, they usually are long haul openings, without nearby enhancement (which creates a lot of CCI). The September opening was very much like fall-winter tropo (and so was October 5th).

Hoping that all of you enjoyed your Holidays and found some good DX. 73

(With regard to your "Fox 6" logo seen on 9/17, the only Fox affiliate I know of on channel 6 is KIDY at San Angelo. fm)

(I am surprised to see your report of K44AR, TBN from Salina, Kansas. K44AR was granted channel 15 in Salina to make room for a now defunct channel 44 full service permit. TBN was granted a license for K15CN on October 4, 1988. K44AR has not appeared in the FCC data base since at least January 28, 1989. I don't know that it is on, but possibly you were watching TBN's, K44BQ, permit at Ardmore, Oklahoma. TBN was granted a modification of its permit at Ardmore on May 30, 1989. fm)

(With regard to your channel 65 from the east with possible TBN. Jeff Kadet has reported W65BK at Terre Haute which is in line with Lexington. fm)

(I couldn't come up with much for your channel 46 TBN in the PTA which you defined. Could it have been W46AJ, Cookeville, as reported by Jeff Kadet? fm)

(Regarding your comments about the offset of WEVV-44, don't correct your books, but do add a footnote! In early 1986, the channel allocation at Evansville was changed from 44- to 44z to allow the allocation of channel 44- to Harlan, Kentucky. I assume WEVV-44 is being allowed to operate on the old allocation until such time as actual usage of the Harlan allocation forces a change. This may never happen, but I believe an application is still pending at Harlan, having been dismissed once and reinstated. fm)

Dave Sinclair, 6565 Brooks Street, Vancouver BC V5S 3J6

PDT/PST

Equipment: See November 1989 Western TV-DX

October 1989						November 1989	
9 tr 0630-1355		9 tr 0900	KBSP 22 OR 288			10 tr 0630	KATU 2 OR 252
			(Over KTZZ-22)			21 tr 1030	KBSP 22 OR 288
KUTF 32 OR 288		21 tr 0630	KATU 2 OR 252			1100	KUTF 32 OR 288

Monday, October 9th (Canada's Thanksgiving Day), KUTF came in with varying signal strength for about seven hours, but was not good when they had station identification. They identify as KUTF, channel 32, serving Salem-Portland, and then alternate with other nearby locations. They are a Christian station (KUTF stands for "Keep Up the Faith") and are part of the RFD Network.

KATU-2, Portland received before CBUT-2 Vancouver signed on air.

(Dave would like to exchange TV Guides. Please send him your local edition if you are interested. fm)

Jeff Kadet, Box 20, Macomb IL 61455 (309)-833-1809

CDT/CST

Equipment:

Zenith 9" black & white, Zenith 12" black & white, Zenith N1310, Zenith Y1310 (all circa 1979-1982). Winegard CS-2073 10 element ch 7-13 log periodic with CP 3900 preamp, RG-11 foam up 80'; Channel Master 7" dish with PA 4975 preamp, .500 aluminum hardline, up 75'; Stereo Probe 9 with RG-11 foam up 43'; Finco 5 element 50-54 MHz yagi with Belden 9913 up 37'

October 1989							
3 tr 0530 @WPBY	33 WV 472	3 tr 0640	WMSY 52 VA 550	3 tr 0912	WCAJ 68 AL 528		
		0735	WNGM 34 GA 500		(Best ever)		
0540 &WUNF	33 NC 554	0905	unid ch 33+ sse	0914	WNGT 41 GA 662		
0640 WBSN	47 VA 499		(Country music)				

Also two new TBN's logged: W46AJ Cookeville, TN and W65BK Terre Haute, IN

F2 Loggings (Times In CST) (Frequencies in kHz):

- 10/28 - 6 meter antenna finally working.
 10/29 - 1735 46,171.8 (ch 0) Brisbane, Australia video buzz.
 10/30 - 1606-1645 46,171.8 (ch 0) Brisbane, Australia video buzz.
 10/31 - 0849 first ch E-2 video buzz noted; all gone by 0947. Weak video buzz on 45,240.0, probably New Zealand, at 1658.
- 11/ 1 - 0747 ch E-2 fading in. 0855 FIRST VIDEO! 48,258.8 man wearing tie? Had to adjust vertical hold to stop from rolling over. In for about 5 minutes. 1005 48,249.8 strong - north Africa? All ch E-2 gone by 1146.
 11/ 2 - 0757 ch E-2 fading in. 48,258.8 strong with synch bars. 0825 video in for a few minutes on 48,259.0 - Africa? All ch E-2 gone by 1137. 1616 ch 0 video buzz in.
 11/ 3 - 1558 46,171.8 (Ch 0) video in. Monitor in use at time had no horizontal hold and picture wouldn't synch but DEFINITELY VIDEO. In for about 30 minutes. This station sticks out like a sore thumb because it is so off frequency (should be on 46,250.0) and their audio is known to be on 51,670, equally off frequency. Since this is probably the only TV station in the world ever to be on 46,171 and the direction and time was right, etc., I am counting this as ch 0, Brisbane, Australia.
 11/ 6 - 0805 strong video on 48,259.0 - cartoons? At 1045 looked like end of program. Then at 1110 had a movie or sitcom. 223JO in Zimbabwe was coming in on 6 meters, and I had a strange video carrier on 48,250.2 - this them?
 11/ 8 - 0804 ch E-2 fading in. Video buzz on 48,236.4 - very unusual and not heard since. In my fantasies, could it have been the 150 kW station in the United Arab Emirates (worked seconds earlier on 10 meters)? 0941 KP2A Virgin Islands, YV5 Venezuela, and ON5NT/5NO Nigeria all in on 6 meters.
 11/ 9 - 0727-0800 YV5 in again on 6 meters. Also P4 Aruba and the 8 Watt HC2FG Ecuador beacon. Nothing unusual on United States ch 2.
 11/10 - 0802 lots of ch E-2 video buzz in today. 1025 48,250.2 strong. 48,251.9 strong at 1044 beaming north Africa. Ditto 48,252.8.
 11/11 - 0720 ch E-2 fading in. 0853 best ch R-1 video buzz day so far. 49,749.6, 49,752.0 and 49,750.0 strongest. All ch R-1 gone by 0954. In today on 6 meters was 8P6 Barbados, 9Y4 Jamaica, VP2M Montserrat, ZS3DM Namibia, FD1FVP France, GI3PDN Northern Ireland, PA2VST Netherlands, and lots of G's England. 0954 48,252.8

Jeff Kadeř (continued)

- strong. 1001 48,250.2 strong. No video today. Some strangeness on ch 2 but hard to tell if it was F2 CCI or meteor scatter.
- 11/12 - 0725-0750 some ch E-2 in, but weakly.
- 11/13 - 0730 YV5 and HC2 in again on 6 meters. Strange 0 offset on ch 2 - again it could have been F2 or meteor scatter - hard to tell.
- 11/15 - 0732 lots of ch E-2 video buzz in.
- 11/16 - 0802 more ch E-2 and some ch R-1 video buzz. I missed a big opening to JA Japan on 6 meters around 1619.
- 11/18 - 0706 YV5, KP2, and 8P6 back in on 6 meters. Also V47SIX St. Kitts, CT3 Maderia Islands, PJ9EE Bonaire, VP2VI British Virgin Islands with TWO WATTS, PZ1AP Surinam, and KP4EKG Puerto Rico. Lots of weirdness on ch 2, but again I can't swear it was F2 or just a lot of meteor scatter.
- 11/19 - A new wireless baby sitter on 49,830.0 right near ch R-1 video - RATS. There is a strong baby sitter on 49,890.0 to the east of here about 1/3 mile in an apartment complex. I was actually considering tracking it down and asking the mother if she wouldn't mind jeopardizing her infant's well being so that I could try for Russian TV, but with this new one it is a lost cause. I decided to disconnect the Advanced Receiver Research P50VD 6 meter post amplifier I was using. F2 video reception EASIER now because of less clutter. 0857 lots of ch E-2 and ch R-1 video buzz, 49,752.6 strongest ch R-1. All ch R-1 gone by 0957. 1106 ZS3E Namibia in strong on 6 meters and strong video buzz on 48,259.0.
- 11/20 - 0832 ch E-2 video buzz in weakly. 0907 48,260.4 in strong. 0917 48,250.0 video in strongly with CCI from station on 48,259.0 (from same area?). Looked like women talking around a round table. 1012 credits - end of program? Three video stations in at the same time at 1020. Got photos including one at 1/30 second exposure which has only 3/4 of 2nd interlace completed!
- 11/21 - 0821 ch E-2 fading in. 1040 video from station on 48,259.0 in for 10 minutes. 1534 KL7NO Alaska in on 6 meters.
- 11/22 - 0835 ch E-2's fading in plus some ch R-1 which was gone by 0905. 0908 strong video in on 48,259.0 with credits rolling - end of program? 0956 video in on 48,250.0 peaking northern Europe. All video gone by 0930. KL7NO in again on 6 meters at 1603.
- 11/23 - 0828 three stations battling it out in video - 48,260.4, 48,239.6, and 48250.0. All northern Europe? 0845 ch R-1 VIDEO in strong for about 5 minutes on 49,750.0. Nothing recognizable, but had no CCI unlike a lot of the ch E-2 video. I think this is either POLAND or the 240 kW station in LENINGRAD. 0950 strong video in on 48,260.4. Think it was a sports program as there was a lot of motion and every few minutes they went back to what looked like a scoreboard. 0942 strong video on 48,250.0 - heavy set man with white hair, "Gene Scott type", pictured chest up. 0946 just before fade out this station came in extremely well with little ghosting and no CCI. Photo sent to Vaennes, SWEDEN - think it was them. 1021 OX3VHF 20 Watt 6 meter beacon in Greenland in well next hour plus. 1427 four Alaskans on 6 meters plus VY1AU in Whitehorse, Yukon. 1520 strange happenings on ch 2. Was trying for Alaska (either - or + offset) when a strong 0 offset came in for about a minute. Maybe something in British Columbia??
- 11/24 - 0829 lots of ch E-2 and ch R-1 buzz in. 0850 48250.0 video in off and on for the next hour. Same station as yesterday? 0955 had a man wearing dark rimmed glasses with head shot and lots of hand motion. 1002 rolling credits (end of show?) then into cartoon (an ad or a promo?). Photo of man with glasses being sent to SWEDEN also. 1007 all video gone. 1036 video in weakly on 48,259.0.

Five straight days of F2 video as this is being typed. I urge all of our European members and readers to PLEASE try to log the exact frequency of all channels E-2 and R-1 video carriers. This is all like a giant puzzle and more of the pieces are filling in every day. All listed video carrier frequencies are accurate to within 300 Hertz.

Thus far, 20 video carriers have been logged on channel E-2 and 7 video carriers on channel R-1. They are (* video seen):

Ch E-2:	48236.4	48247.7	48250.8	48258.8*
	48239.6* (2 stns)	48247.9	48251.9	48259.0*
	48242.3	48249.8	48252.8	48260.4* (2 stns)
	48245.0	48250.0*	48256.7	48263.2
	48246.2	48250.2		
Ch R-1:	49739.6 (2 stns)	49750.0*	49752.6	49760.4
	49749.6	49752.0		

Jeff Kadet (continued)

Any help on the unids from our foreign (or U.S.) members will be greatly appreciated.

A few updates from my last report: The CBFAT-5 logging on August 4th was probably not them (listed as 665 Watts), but rather a higher powered relay of CBMT-6, probably CBVD with 17.1 kw. I saw a test pattern parallel to CBFT-2 which was coming in at the same time, so assumed it was a CBFT relay; but Fred says CBFT and CBMT use IDENTICAL test patterns, so the CBVD makes more sense.

Also that "blackout effect" with the R7000 video adapter in black and white was due to the signal being fed through my VCR. When hooked up directly to a video monitor, the R7000 video adapter does a good job, though it still is not quite as good as the Zenith N1310. For this F2, I am using a black and white monitor with both vertical and horizontal hold controls (not easy to find anymore). It will probably be impossible to ID any of this F2 video from the screen. The best way to describe it during a big opening is that it looks just like scrambled video with severe ghosting and CCI. Even with the proper type of TV set, ID's would be very hard due to the severe ghosting.

(Two possibilities for your unid channel 33 are W33AN, Union City, Tennessee, and W33AO, Clarksville, Tennessee. I have no knowledge that either of these are on, but they are old enough permits that they will soon be cancelled if not built. fm)

Michael Parks, Route 1, Box 103, Amery WI 54001

CDT/CST

Equipment:

Channel Master 1110 Quantum with Channel Master 0064C preamplifier and RG-11U at 28', Antennacraft P-7 with Winegard PA-4975 preamplifier and RG-11U at 33', Alliance HD-73 rotor, Winegard DA-8150 post-amplifier, Channel Master 7206 HI "Q" trap, and Zenith Z1920W 19" color TV.

September 1989

			18 tr 0112	KCRG 9 IA 214	20 tr 2348	WNDU 16 IN 402
				(Over KMSP- 9)	21 tr 0016	KAUT 43 OK 731
17 tr 2314	KOZK 21 MO 567		0114	KGAN 2 IA 215		KOKH 25 OK 734
	KSPR 33 MO 567		0115	KRCG 13 MO 464	0018	KDOR 17 OK 641
	KDEB 27 MO 568			(WEAU-13 off)	0028	KPTM 42 NE 359
2315	WADLt 38 MI		0129	KMIZ 17 MO 458	25 gw 1821	K53CH 53 MN 56
2316	WFWat 39 IN		0132	=WEEK 25 IL 358		(St. Paul rel.-CVB)
2317	KTKat 49 KS		0140	KNLJ 25 MO 463	27 tr 2326	KSHB 41 MO 453
2318	WTJR 16 IL 378		0302	WQAD 8 IL 298	2354	KSPR 33 MO 567
2344	KYTV 3 MO 570		0335	KPLR 11 MO 486		KDEB 27 MO 568
	KOLR 10 MO 567			(KARE-11 off)		
18 tr 0008	WUHQ 41 MI 391		0347	WWMt 3 MI 386	<u>November 1989</u>	
0012	WSBT 22 IN 401	20 tr 2302	KSNT 27 KS 471		25 tr 2201	K60AO 60 MN 144
	WHME 46 IN 404		KSPR 33 MO 567			(Redwood Flls KSTP- 5)
	WNDU 16 IN 402		KGMC 34 OK 733			K62AA 62 MN 144
	WMBDt 31 IL	2307	KMCI 38 KS 473			(Redwood Flls WCCO- 4)
0016	KDNL 30 MO 482	2308	KSHB 41 MO 453			W64AC 64 MN 144
	KNLC 24 MO 495		KZKC 62 MO 451			(Redwood Flls KTCA- 2)
0021	WXMI 17 MI 384	2309	KYFC 50 MO 455			2205 K50AB 50 MN 145
0030	WFFt 55 IN		KCPT 19 MO 451			(St. James KTMA-23)
0031	WRGT 45 OH 566	2310	KTKat 49 KS			(New primary)
0037	WOTV 8 MI 384	2312	KDNL 30 MO 482		26 tr 0030	K60-- 60 ??
	WZZM 13 MI 346	2318	KDAF 33 TX 921			(Unknown TBN)
0053	WFIEt 14(KY)		(New tr st and			K65BY 65 IA 214
0054	WHOI 19 IL 355		new UHF record)			(Waterloo TBN)
	WHTO 35 IL 331	2320	KWHB 47 OK 572		0058	K41AD 42 IA 149
0102	@KOIA 15 IA 307	2336	KDEB 27 MO 568			(Lansing w/WLAX-25)
0103	@KJMH 26 IA 322	2343	KOZK 21 MO 567			K14AF 15 IA 147
	KOCR 28 IA 228	2348	KSNF 16 MO 587			(Decorah w/WLAX-25)

This was certainly the best September I've ever seen. The Springfield, Missouri UHF's were in so much I almost had their program schedules memorized. The Oklahoma City UHF's were in for the second time in four months and at long last I got to see past them into Texas, although only for about a minute. That gave me just enough time to determine KDAF-33's programming and go searching for the other Dallas-Fort Worth UHF's - none of which were in evidence - leading me to suspect Shreveport instead, but the programming did turn out to be Dallas.

After all that, October sure was a big let down with not one station received. Seems this happens to me one or two months out of every year.

Michael Parks (continued)

I hope someone knows for sure where that channel 60 TBN is. Direction was to the south with the two most likely candidates being K60DS, Rochester, and K60DJ, Cedar Rapids, but it seemed too weak to be the former and too strong to be the latter and neither have been reported on the air. I believe this and the religious channel 60 I received on July 7, 1989 are one and the same.
73, Mike

(Mike, I believe you are correct in your choice of the two candidates for your TBN logging on channel 60. Nate Ely also saw TBN on channel 60 on November 26. With his determination of a St. James, Minnesota bearing, it seems that K60DS at Rochester is probably operational and was likely the source of both of your observations. It bears further checking. fm)

Nathaniel Ely, 3810 Sycamore Avenue, Madison WI 53714

CST

Equipment:

UHF - Channel Master 7' parabolic, PA 4975 preamplifier, .412 hard line, 60 ft DMX-68 tower. VHF - Delhi 307, Channel Master 0061c preamplifier, .412 hard line, 60 ft DMX-68 tower. HD-73 rotors.

November 1989

26 tr 0454	<u>K23CI</u>	23 IA	<u>230</u>	26 tr 0618	<u>K60--</u>	60 MN
	(Ottumwa	KCCI-	8)		(Unknown	TBN)
26 tr 0358	<u>K39AS</u>	39 IA	0500	<u>K25DE</u>	25 IA	<u>230</u>
(Marshalltown	Ch Am)	(Ottumwa	KDSM-			17)
					(PTA: St. James MN??)	

Very sparse DX for a November. Perhaps others did better. On channel 39 from Marshalltown, Iowa, apparently Channel America does the ID by running a scroll of ID's for their affiliates. This allows a legal ID at the top of the hour. A great "ID"ea.

I finally have a VHF set up. The new tower was completed on November 11th. This place looks great with two towers in the backyard. Truly a "DX Ranch" now.

The 307 is the same antenna that was made by Jerrold, but now they are only made in Canada under the Delhi nameplate. It is comparable to the Quantum 1110. There are some minor differences - the nulls aren't quite as deep, yet the side lobes aren't as strong either. The front to back ratio seems much better. I can't tell if the FM blocking elements help much (probably they do, but difficult to evaluate).

Local LPTV, W54BH, is now a Video Jukebox. The upside is an automated legal ID. No more calling themselves WSSM!

I took down my "screened" Delhi fed UHF dish for the winter. Too much icing and windloading. I have a standard Channel Master dish up until spring.

Bye for now, Nate

(Nate, see my comments above about channel 60 with TBN. fm)

Fred McCormack, 135 Prairiewood Drive, Fargo ND 58103

CST

Equipment:

VHF: Broadmoor 9" black & white, Winegard CS-4053; UHF: Rembrandt VA133 tuner, Winegard CH-9095, Blonder-Tongue CMA-Uc preamplifier; Alliance rotor.

November 1989

29 Es 1956	XEJ	5 CH	1180	29 Es 2008	<u>KNMET</u>	5 NM
29 Es 1955	<u>XEPMT</u>	2 CH	(MUF 88.5 @ 2000- TX)	2018	KKTO	2 NM 915

It was nice to see a little E skip. I don't believe I have seen much before in November. It's a shame I don't have any equipment for monitoring all of the F2 being noted this winter. In 1979, on a number of occasions, I monitored BBC1 on the old channel B-1 (41.5 MHz) and TF1 on the old channel F-2 (41.25 MHz). On one occasion, I monitored BBC1 on the old channel B-2 (48.25 MHz). Based on Jeff Kadet's report, if British television was still using channel B-1 it would now be regular reception.

EASTERN TV-DX

Interim Editor
and "Guest Host:"
Ron Stock

DECEMBER - JANUARY

Hello everyone!!!!...this is a "catchup" ETV-DX column!!!!...with this column will start to catch up with a backlog of reports sent to JOHN COMBS (now CCI COLUMN editor), I know some of the reports are a bit dated, but I personally believe that they still all have news value. A big thanks to JOHN for the job well done, and to BILL THOMSON for the advice and help, but I can only do the column temporarily. Don't worry, I'll be back to INTERNATIONAL NOTES when we get up-to-date! Please hold onto your EASTERN TV DX reports until further notice!

ROBERT S. ROSS VE3JFC - BOX 4373, STN. C. - LONDON ONTARIO CANADA N5W 5J2

July 31 Es 2030 KBTX-3 TX, August 06 1128 WTVJ-4 FL, August 06 Es 1836 WWL-4 LA, August 09 Es 2327 WBRZ-2 LA...2330 WLBT-3 LA MS.

CHRIS JOHNSON - 6235 ROSEWIND CU - MEMPHIS TN 38115

I am a first-time contributor to the Eastern TV-DX column. This is made possible by new antenna-rotor set-up. I am reporting my first experiences with TV DX, and hope to provide more for the membership as DX comes to Memphis! I am 28, married, with one cat, many assorted radios, and MINIMAL TV DX equipment...June 15 Es 2000 WPBT FL (859 mi), June 18 Es 1630 XEPM-2 MEXICO (976), July 04 Es 1828 WMAR-2 MD...Equipment - RCA 25" (older 1960s); 27 ft. mast w/Channel Master 1111 and 4257 w/Channel Master rotor...9" Sears B&W w/stock factory antennae (STOCK FACTORY? NO RELATION TO ME! -RON).

BOB TIMMERMAN - 1210 DESOTO CT- AUBURN IN 46706

June 16 Es 1545 KMID-2 TX, June 18 Es 0900 WTVJ-4 FL, 0900 WBPT-2 FL, 1000 WPTV-5 FL, 1027 KRIS-6 TX, 1030 KIII-3 TX, 1130 KRGV-5 TX, June 20 Es 1500 KMID-2 TX, 1530 KFDX-3 TX, 1600 KENW-3 NM, 1615 KAMR-4 TX, 1630 KACV-2 TX June 22 Tr 0500 W63AH OH, June 23 Tr W69BT IN, June 25 Es 1300 WPBT-2 FL, 1400 WGBH-2 MA, 1415 WLHZ-2 ME, June 27 Tr 2311 KWWL-7 IA, 2330 KCRG-9 IA, June 28 Tr 0230 WHO-13 IA, 0250 CKCO-13 ON, 0323 W24AI IN, Es 1813 KMID-2 TX, 1928 KIII-3 TX, June 29 Tr 0949 WQAB-8 IL, 1000 KLJB-18 IL, 1130 KPLR-11 MO, 2033 WLUK-11 WI, 2100 WKLE-46 KY, 2230 WSAW-7 WI, 2230 WAOW-9 WI, 2300 WSWP-9 WV, 2327 KWWL-7 IA, 2328 KCRG-9 IA, June 30 Tr 0108 WHO-13 IA, 0226 W21-- (Louisville TBN), 0230 UNID-47, 0248 UNID-9 (both AVN network), Es 1400 WWL-4 LA, 1400 KIII-3 TX, 1730 KPRC-2 TX, July 2 Es 1100 KGWL-5 WY 1147 KTVQ-2 MT 1206, 1158 WEAR-3 (AL), July 3 Es 2058 KENW-3 NM, 2138 WESH-2 FL, July 4 Es 1715 WPTV-5 FL, 1716 KENS-5 TX, 1718 WESH-2 FL 883, 1720 WCPX-6 FL, 1720 WCIX-6 FL, 1800 WUFT-5 FL, 1816 WECT-6 NC, 1856 WTVJ-4 FL, 1857 KAMR-4 TX, 2000 KIVV-5 SD, July 5 Es 2100 KOTA-3 SD, 2151 WDAF-4 MO, 2219 KWGN-2 CO 2226 CKCK-2 SA, 2246 KNOP-2 NE, July 10 Tr 0010 KIIN-12 IA, 0013 KWWL-7 IA, 0030 KCRG-9 IA, 0030 WHO-13 IA Not having access to outdoor antennas is frustrating!! I haven't seen any 500 mile-plus tropo in a long time.

CHARLIE BURNHAM - K2GLP - 51 ONTARIO AVE. - MASSAPEQUA NY

Just a little Es to report. Still seem to miss all the good openings with this thing called work!!! From Massapequa, NY: July 5 Es 1815 KDLH-3 MN, Es in toll 2000 but no pos. I.D.s (too much QRM), July 7 Es 1830 WRBL-3 GA, very heavy QRM again; open till 2030, July 10 Es 1800 WJMN-3 MI, 1830 WEAR-3 FL, both north and south Es till 2130, August 4 Es 1715 UNID 3 FRENCH SPEAKING STATION, August 5 FROM SOUTHDOLD, NY, Tr 0600 ALL MD DE & PA UHF OPEN TILL 0900. Have a new ICOM R-7000 on line now with a TV adapter, works great!! Hope to be giving more exotic reports in the near future!! 73's

JERRY BEAUDIN - P.O. 146 - CURTIS, MICHIGAN 49820

Equipment - 20 yr old Magnavox with 10 yr old Sylvania chassis and Quasar tuners, 7' CM dish with Winegard PA 4975 amp at 45' AGL & RG-6 cable. El-cheapo Symphonic VCR. September 17 Tr 2325 KSPR-33 MO (722 mi), September 18 Tr 0900-1200 KSPR-33 MO (Note 1), 0930 UNID-Spanish 45 (Note 2), 1000 KMSS-33 LA (1030 mi) (Note 3), 2305 KSNF-16 MO (776 mi), 2314 KTKA-49 KS (715 mi), 2350 KGMC-34 OK (954 mi), September 19 Tr 0930 KGMC-34 OK (Note 4), September 20 Tr 2306 KNBS 40 AR (898 mi), 2340 KSPR-33 MO, 2352 UNID SPANISH 33 (Note 5), September 21 Tr 0046 KPTM 42 NE (631 mi), 0100 KOZK 21 MO (722 mi), October 13 Tr 2100 WGKI-33 MI (Note 6) Notes - (1) KSPR was sno-free a lot of the time this morning (2) SPANISH cartoons - very weak & same heading as KSPR (3) How lucky can you get - had set on 33 and this popped in over KSPR several times - once just as station was ID'ing (4) Close to sno-free at times (5) Spanish programming faded in several times over KSPR (6) New station - weak here but glad it wasn't on a month earlier. I think I had Hurricane Hugo and a cold front to the NW to thank for this. Seemed to be more of a duct than an inversion. It will be interesting to see what others did. Even with me cheap VCR I was able to tape KSPR, KGMC, KNBS & KOZK.

John F. Combs (N4SFS), 1308 Willow Branch #24, Jacksonville FL 32205 (904) 389-2451
(new loggings underlined; mileage shown on all new loggings + selected 300+ mi. relogs...)

OCTOBER 1989

[3 Tr 1931-2222] WATL-36 GA, WNEH-38 SC, WHNS-21 NC (341); tent. WSB-2, WAGA-5 GA; Wilmington (334) and West Palm Beach U's [4 Tr 0356-0426] W27AE Sebring FL (WTOG-44 xltr) (198), W19AX Kissimmee FL ("Tourist Channel" LPTV) (135). W24AT Sarasota FL (209) w/Home Shopping Spree [Tr 0924-1015] SC U's 14, 19, 23, 25, 28; WTTD-21 AL (370), WCAJ-68 AL (372), WYSB-27 MS (494) w/plug for "Wake Up, Mississippi!" ID, into GMA; WTTQ-41 AL (390), WMAZ-13 GA, WJSU-40 AL (334) w/plug for TV-40 nx and CBS ment. Northeast AL; WBMG-42 AL (370), WTTZ-24 MS (434), WHNS-21 NC, WVTM-13 AL (370), WXTX-54 GA, WTKO-11 MS (434) this and WTOG-11 w/Sally Jessy almost in //, local break confirmed WTKO; all rapid f/out after 1015 [7 Tr 0200-0245] WJKA-26 NC (334), WGSE-43 SC, WJHG-7 FL, WITN-7 NC (429), WYED-17 NC (411), WLTX-19 SC, tent. WNCN-9 NC [9 Tr 0022] W69AY Alachua FL noted for 1st time as WYIE-55 xltr; former rock video LPTV [12 Tr 2040-2310] WLTX-19, WNEH-38, WHNS-21, WNCN-36, WLOS-13 NC (356) promos, "Count on 13" slogan, ID: WNGM-34 GA; WUNM-19 (416), WUNK-25 (432), WUNJ-39 (334) NC all // w/Unc-TV; WETO-39 TN (398) noted at 2202 w/Arsenio; phone call to Matt Sittel and subsequent local ads confirmed this, my first tropo from eastern TN!! WNTV-29 SC (322), WRET-49 SC (316), WUNF-33 NC (358) (rather rare) [13 Tr 0320-0420] back after 4-hour nap: WLTX-19, WHNS-21, WNCN-36 still WYED-17 NC (411), WCCB-18 NC (346), unID-21 CCI to WHNS-21, Atlanta 11, 17, 30, 69; unID-69 TBN to NNE, 10 kHz to WVEU, suspect Carolinas LPTV; WXII-12 (425) noted at 0326 w/"Love Connection" and ID mentioning "The Piedmont's most powerful weather radar"; WRDW-12 mixing w/WXII; WFMY-2 NC (398) w/CBS "Nightwatch" zero to WESH; WSPA-7 SC (337) CBS "Nightwatch" and NO 0400 local ID!! WSOX-9 NC (346) w/CNN [0630-1210+] little time to monitor, but many U's like WLTX-19, WOLO-25, WHNS-21 stayed in all day long, even there when up from nap at 1620 that afternoon [14 Tr 0145-0225] SC 15, 19, 25, 27, 29, 38; Atlanta 5, 17, 36, 69; Charlotte U's, WHNS-21 [0755-0837] WJSP-28 GA, WXTX-54 GA, WNGM-34 GA, various unIDs [17 Tr 0147] WSPA-7, WHNS-21, WLTX-19, WOLO-25 all very weak, scatter signals [22 Tr 0823] West Palm Beach U's [25 Tr 1020-1105] Got into this one late! Most SC & Atlanta U's; Asheville 13, 21, 33; WNGM-34 GA, WNRW-45 NC (425) + two newies: WCHP-8 NC (394) Gerald, local PSA w/ID, and WGTV-8 (280) GPTV // WAGA-8 but separable w/rotor and 20 kHz CCI to each other ---this had been my most frustrating unlogged VHF! [1200] check, Columbia 19, 25 still

NOVEMBER 1989

[1 Es 2135+] KUSD-2 SD (1246), KGAN-2 IA (1000) [5 Tr 0250-0400] Atlanta 17, 36, 69; WLTX-19 SC, WJHG-7, WAKA-8 AL (325), WDBB-17 AL (399), WTTD-21 AL (370) [2335-0231] Atlanta U's, including WPA-30 (286) finally logged as local local WAMS off unusually early; Asheville 13, 21, 33; Columbia U's; WRDW-12 GA heavy CCI on local WTLV; WRET-49 SC, WSPA-7 SC, WPDE-15, WBTW-13 SC (312); WJSP-28 GA (rare), WYED-17 NC (411), WNCN-36, WCCB-18 NC, WXIA-11 GA, WCTI-12 NC (416), WNCN-9 NC (429) w/CBS Night-watch; WECT-6 NC (350) (quite rare) and W----27 VA (540) s/off w/new calls--first 500+ mile tropo this fall [2145] West Palm Beach U's [7 Tr 0020] Ft. Myers area 11, 20, 26, 36 unusually strong (240-267); W27AE Sebring (197) (WTOG-44 xltr) [0600] Same, plus Miami U's 23, 33, 39, 45, 69 (313) [10 Tr 0620+] WPB U's, including W19AQ (267); WBFS-33 FL; W35AJ St. Pete (183) CCI to WOFL [2142] WPB U's [11 F₂ 1008-1015+] First signals noted this cycle on channel E2 (48.25 mHz)--video buzz on PRO-2004 scanner, never strong enough to see any video on multi-standard TV [12 Tr 0140-0230] Coastal NC excellent: WJKA-26 (334), WCTI-12 (416), WBTW-13 SC (312); WFXI-8 (---) Morehead City NC (new to air), local ads, Fox promos, s/off--slogan: "Crystal Coast Fox"...and the best catch: W20AL Wilmington (345) w/TBN beg-a-thon...most distant LPTV or xltr ever seen by me [18 Tr 1810-1918] WGSE-43, WBTW-13, WHMC-23 SC; Wilmington U's [2005-2230] opening became narrow duct with WPTF-28 NC (413), WLFL-22 NC (408), WKFT-40 NC (392) in alone along with CCI on 5 & 11, probably also Raleigh-Durham [2336-0010] Columbia U's, WRJA-27 [14 Tr 0940] WRBL-3 GA (228) (rare) [18 Tr 2115-2310] South FL U's excellent, plus WPTV-5, WINK-11 [20 Tr 0830] West Palm Beach U's, W27AE [24 F₂ 0920-1050] SOLID 1 1/2 HOUR EUROPEAN OPENING! Several unIDs on E2, two of which have a good chance of being IDed: one with a tennis match, the other with a program schedule airing prior to s/on...believe tennis was a West German (offset 48.26 mHz)--wrote Ulrich Onken for assistance...also Ch. R1 video (49.75 mHz) in 1008-1014, no IDs [Es 1404] KMID-2 TX (1217) [26 Es 1545-1745] unID-2 Imeision, XHRIO-2 TA (1007), XEFB-2 NL (1174), KMID-2, KIII-3 (974), KACB-3 (1109), KPRC-2 (825) all TX; KJRH-2 OK (896) [27 F₂ ---] Busy this day, apparently missed great F₂ conditions with MUF to A2 and maybe higher, according to Bill T. [28 Tr 2355-0035] WPB U's, W35AJ St. Pete FL (183) (Channel America), W61AK Inverness FL (106) (WTOG-44) [29 F₂ 0930-0945] Weak buzz on E2, nothing on TV [Es 1233-1530+] KMID-2, KACB-3 TX...lull 1325-1445, then XHRPM-2 Tuxtita Gutierrez, Chiapas (1175) (estado #3) end local-looking soap, brief full CB, then sports/recreation show about events in Chiapas...Joined Imeision at 1530--had to dig through lots of Jim Pizzi's old VUD reports to find the calls on this one!

EQUIPMENT: 4-bay UHF antenna (replaced by 5' Finco UHF dish on 11/13) and Archer V-110 VHF log on building roof @ 30-35' AG, Archerotor, Winegard AC-4990 UHF preamp, Teknika TVC-22 tuner, Sears 9" B&W TV, Mitsubishi HS-3283UR VCR, Commodore 1802 color monitor, Brooksonic 2" B&W multi-standard TV, Realistic PRO-2004 scanner.

After a September totally devoid of DX, some nice tropo appeared in October. Although nothing over 500 miles was seen, signal levels were good, some lesser-seen areas (like MS and northern AL) made an appearance, and several new ones were logged, including some long-sought VHF stations and my first tropo from eastern TN (WETO-39).

More decent tropo in November, including a new-to-air VHF (WFXI-8) and my farthest LPTV yet (W20AL), but the real highlight of the month was the European F₂ skip seen on the 24th! I really got a thrill out of actually seeing European video this cycle, not merely hearing video buzz like 11 years ago. At times, the ghosts were minimal enough to clearly follow the tennis action on the suspected West German station.

I'm not sure if XHRPM-2 is the Imeision affiliate I've seen countless times before. I doubt it, as I'd never noted local programming on it before. There may be an ch. 2 Imeision in Quintana Roo, perhaps at Cancun, according to some of the old reports in the VUD. I'm trying to get current info from both Imeision and Televisa. 73 de N4SFS.

BOB SEYBOLD - 10567 BENNETT RD - DUNKIRK NY 14048

There has been some DX lately so here's a report on some of it. Aug. 10 - 15 occasional tropes to 400 miles, Ft. Wayne, South Bend, Indianapolis, Columbus, Dayton, Battle Creek, Grand Rapids, Flint, Ann Arbor, Lansing, Saginaw & other U's usually 7 - 9 AM and evening tropes. A couple of E-skip openings - Dakotas, Nebraska, Kansas, Florida, & Gulf Coast. August 16 - tropes evening - WCMU-14 Mt Pleasant, WUCM-19 Saginaw; WANE-15 Ft. Wayne, WNDU-16 South Bend, WPTA-21, WKJG-33, Michigan U's 23, 25, 28, 26(LPTV Detroit), 31, 35, 38, 41, 47 - Sandusky 52, Ontario U's 15, 18, 22, 32, 56, 64, 55(2), 42(2), 45, 34, 68 all quite strong; Dayton, Columbus, Lima U's. August 17 - almost repeat of previous day except Pittsburg U's above normal & logged new channel 10 Jamestown through Altoona channel 10. August 18 - E-skip opening noted rising about 0730 EDT - strong opening channels 2 -6 and FM. It continued till about 1700 but lost intensity after 1200. Some seen: WBRZ-2 KATC-3 KBTX-3 WML-4 WEAR-3 WEDU-3 WPBT-2, Mobile 5, New Orleans 6, Shreveport 3, Oklahoma 2,3,4,5,6, not alot of time to observe but was good opening - ID's quite easy at times. Tropes opened up in evening although there was some left over tropes from night before. Evening opening - WCMU-14, WUCM-19, Green Bay 26,32,38 - 32 very good. Madison 15 & 27 briefly also 21 - Michigan U's quite good but not Detroit. Also noted Chicago 26, 32, 38 at 0315 EDT next morning. August 19 - not much of anything. August 20 - AM - tropes, Dayton 22 & 45, Columbus 28 & 34; Newark 51 - Springfield 26. August 21 E-skip evening channel 2 - 4 no IDs; Tr WANE-15 WPTA-21 August 22 E-skip evening channel 2 - 4 again no IDs. August 23 - E-skip evening, Denver 2, unided 3 - strong. Tr - WANE-15, WHIZ-18 - Dayton 16, 22, Columbus 28. August 24 - AM - tropes - South Bend 16 good, also 22, 34, 46. Ft. Wayne 15, 21, 33, WHIZ-18 - Sandusky 52 - Newark 51 - Columbus 28 - Springfield 26; Chicago 26, 32 & 38; WBGU-27. August 25 - good tropes - Indiana U's up, getting better in evening and all night. South Bend, Ft. Wayne, Marion, Lafayette, also WCMU-14 - Madison 15, 27, Green Bay & Chicago all in briefly - Angola 63 in - Ohio, Michigan U's, etc. August 26 - excellent tropes - Indiana U's super, some in all day - Angola 63 best ever + WMCC-23, WLFI-18, WICD-15, WICS-20, Chicago 26, 32, 38 weak; South Bend 69 (new), Michigan U's up - lots of strong signals. August 27 - South Bend U's, Ft Wayne U's, Chicago 32, 38 & 26 - Sandusky 52, Canton, Cambridge, Lima, Columbus, Angola 63, WMCU-14, WLFI-18 (in AM); evening - Canadian to north & N.E. - 42, 34, 55, 15, 32, 44, 38, 53. August 28 - AM - Green Bay 32 & 38, WCMU-14, WUCM-19 - Michigan U's, 23, 25, 26, 28, 31, 35, 38, 41, 47, 66 (Flint), Sandusky 52 - Toledo 48 - Canadian U's 15, 55(2) 42(2), 51, 34(2). 8 days in a row for DX, tropes good to excellent most days. A couple days 300 - 400 mi. stuff in all day but always improving late in evening as humidity rises. No super long stuff but good run on 250 - 500 mile stations especially to the west. The Buffalo boys did not seem to get much of this - I wonder why? Looking to good September. E-skip running late this season.

GERALD H BARKOW - 29 SEDGEFIELD DRIVE - MORRIS PLAINS NJ 07950

May 18 Es 2000 WPBT-2 FL, 2025 WEDU-3 FL, May 30 Es 2058 UNID-3 CBS, May 31 Es 2300 KINT-3 IA, June 08 Es 1116 UNID-3 CBS, June 14 Es 0745 UNID-2 NBC, June 15 Es 1758 WPBT-2 FL, June 16 Es 1532 WPBT-2 FL, June 20 Es 1914 UNID-2 PBS, 2100 WBRZ-2 LA, June 23 Es 2000 UNID-2 PBS, 2100 WBRZ-2 LA, 24 Es 1000 UNID-2 NBC, 25 Es 1252 WBRZ-2 LA, 1254 WMAB-2 MS 1040, 1300 WLBT-3 MS, 30 Es 1559 WPBT-2 FL, July 01 Es 1610 UNID-3 ABC, July 03 Es WKRR-2 TN, 1953 WBRZ-2 MS, 1958 WLBT-3 MS 1040, 1959 WRBL-3 GA, July 04 Es 0859 KETS-2 AR, 0930 WBRZ-2 LA, 1655 WRBL-3 GA, 1725 WDSU-6 LA, 1759 WLBT-3 MS, 1830 WBRC-6 AL, July 05 Es 1902 KBJR-6 MN, 1914 KDLH-3 MN 960, 1928 WPBT-2 FL, July 07 Es 1037 UNID-2 NBC, 1240 UNID-6 CBS, 1700 CBHT-3 NS, 1815 UNID-2 PQ, July 09 Es 0820 UNID-2 PBS, 0900 UNID-2 CBS, 1030 WSB-2 GA, 1135 WMT-2 IA, 1700 UNID-2 PQ, July 10 Es 1804 WISC-3, July 17 Es 1830 2025 UNID-2 PBS, July 18 Es 2025 UNID-2 PBS, July 21 Es 1640 UNID-2 ABC, July 22 Es 1929 WSAV-3 GA, July 23 Es CBHT-3 NS, July 25 Es 0959 WESH-2 FL, July 28 Es 2122 WESH-2 FL, July 31 Es 1023 UNID-4 CBS, August 01 Es 1815 WPBT-2 FL, 1900 WESH-2 FL, August 03 Es 1539 WBRZ-2 LA, 1758 WESH-2 FL, August 04 Es 1815 CBHT-3 NS, 1821 UNIDS 2, 3 PQ, August 06 Es 1100 WBRZ-2 LA, 1258 WMAB-2 MS, August 18 Es 0900 UNID-2 PBS, 1530 WBRZ-2 LA

Having just completed my 29th year of TV-DXing in northern N.J., I would rate this past season as being mediocre. The April thru June period produced well below average results, as most openings were of short duration and low intensity. Activity perked up in July, with the 4th being the best opening this year. July also produced 3 separate openings to Canada. Disappointing this season has been the lack of openings to the mid-west. High-lites: 5/31 no activity all day until late night opening developed to the midwest w/clear ID from KINT-3 @ 2300. 7/5 produced a very intense but short lived opening up to channel 6 from Minnesota lasting about 45 minutes. KBJR-6 in like a local @ 1910 with KDLH-3 @ 1920, then faded out 5 minutes, when opening developed to Florida with WPBT-2 ID @ 1925. 7/9 CCI started @ 0800. WSB-2 signal destroying local WCBS 1020-1040, then Es moved north-westward to Iowa with WMT-2 ID'ed @ 1135. CCI quickly faded by 1145, only to return @ 1700 with UNID-2 French Canadian.

WILLIAM WYLLIE - 95 PECK STREET - FRANKLIN MA 02038-2217

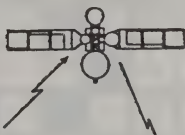
June 12 Es 1158 WSIL-3 IL, July 04 Es 1740 WWAY-3 NC, 1740 CJCN-3 NF, July 05 Es 1900 KDLH-3 MN, July 07 Es 1730 CJCN-3 NF, 1730 WSIL-3 IL, July 10 Es 1845 WCBQ-2 SC, 1845 WSAV-3 GA, July 11 Es 0015 UNID-2, 1730 WSIL-3 IL, 1730 WISC-3 WI, 1800 WWMT-3 MI (first time logged), July 18 Es 2000 WEDU-3 FL, July 21 Tr 0126 WCSH-6 ME over local, August 04 Es 1810 ???-4 CANADA with CBC NEWS, 1815 had FRENCH NEWS, 1812 KDLH-3 MN, 1920 WISC-3 WI. All loggings except WCSH-6 logged at PRUDENCE ISLAND, RI on ZENITH black & white TV. Did more FM loggings this summer, but did get some great TV in July.

MORRIS SORENSEN - BOX 422 - PORT CARLING, ONT POB 1JO - CANADA

July 25 Es 1055 WBRZ-2 LA, 1100 WLBT-3 MS, 1131 WMAB-2 MS, August 28 Tr 2110 WBKB-11? MI T, 2115 WWUP-10? MI T, Northern Mich. & Sault Ste. Marie, Ont. in well on FM at time.

COMMENTS FROM YOUR ETV-DX EDITOR.....I still have MANY more reports to go thru and will continue with them in next months column. Still to come are reports from MATT SITTEL, GREG CONIGLIO, MIKE REID, FRANK WHEELER, BILL NEINAJADLY, ROY BARSTOW, TOM BRYANT, SAUL CHERNOS, ROBERT & VICKIE GRANT, JEFF WOLF, JEFF FALCONER, PETER GEORGE, JIM RENFREW, MICHAEL HOLLIS, ROY BARSTOW.....I would like to say that this is not an easy job as many peoples reports are hand written rather than printed or typed. I must say its hard to read some of them! I have a copy of the guidelines for reporting to the V.U.D. columns written up years ago by DON RUHLAND, it's a classic piece of work that every one should read over.....have asked the editor to re-print it.....73 until next month, RON

SATELLITE NEWS



GEORGE W. JENSEN
4604 Anntans Avenue
Baltimore, MD 21206-4220

Hope you all had a great holiday. Lots of odds and ends this time around.

Many thanks to Bernd Trutenau of West Germany for IDing my Morelos mystery SECAM pattern as probably Poland. Now the question is why were they on Morelos? Now I have another strange TP observed on PanAmSat Ku. This was relaying direct from Europe network news feeds of the events in Berlin. A European test pattern was used with the letters ODK3. A new one on me?

A new Intelsat has been testing at 37 West with a powerhouse signal here. Many thanks to Mark Long of the 1990 World Satellite Annual for IDing this one. It will eventually be moved elsewhere, but was placed at 37 West for coverage by the news networks of the Malta Summit. Approximately 4 transponders were used by the US networks and Japan as well. This was Intelsat VI F2 which may move to 24.5W. This was launched October 27th

The HBO Comedy Channel is definite on K-1 parallel to Galaxy I.

The Viacom News Channel is operating on Satcom 2 XPDR 7V.

Telemundo is moving to Spacenet 2 XPDR 7 or 9. Is currently testing.

Worldminitor feeds were noted on SBS 4 (Ku)

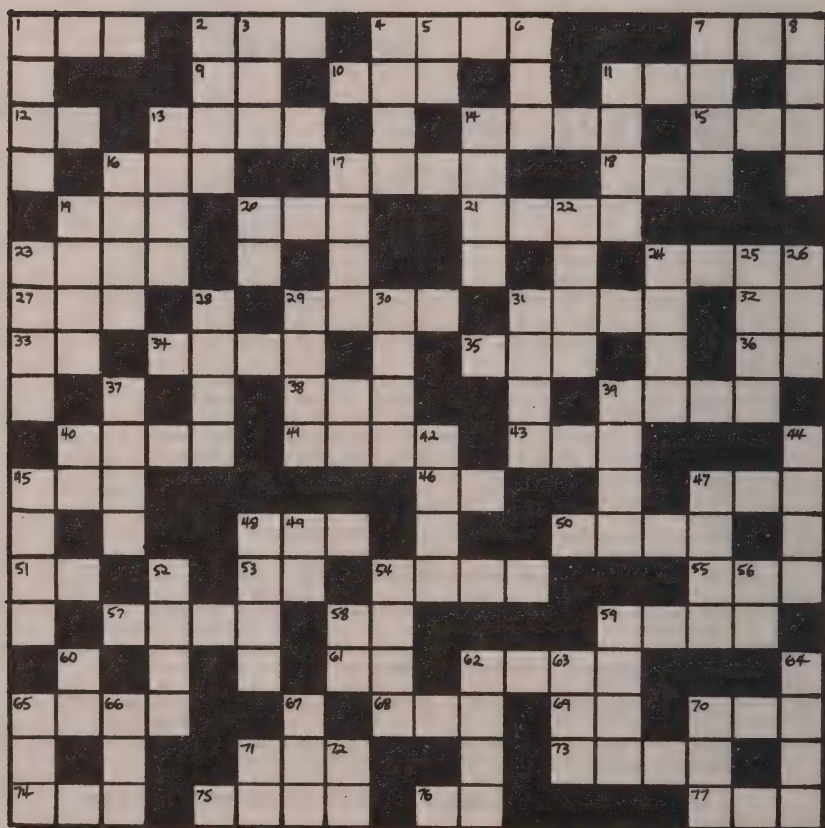
CKO - the Canadian News Radio went bankrupt and its feeds are now silent.

Have noted another French radio station being subcarried on Europe 5 Quebec - Anik D2 XPDR 17. (this used to be TVPQ 99)

3 Angels appears to be on Satcom I Xpdr 16, but is off a good bit lately.

That all folks - see you in 30. '73's and good DX in the 90's.

A GIANT TV DX CROSS- WORD!!!



ACROSS

1. Crescent City CBS
2. KING's Portland cousin
4. Mark Twain would have seen this
7. Cleveland's seen this twice
9. Just say --!
10. --- in the sky
11. Was Post-Dispatch tv companion
12. Former spouse
13. KY NBC w/IN xmtr
14. originally WPRO
15. Home-base for MTN
16. Biggie in 'Bean Town'
17. Calls York (+ others) home
18. Regional network in Manitoba
19. one time NY nine
20. 12 across was probably this
21. Where Carson started (+T)
23. don't hold the Mayo..now KTTC
24. This Sunflower got a '10'
27. Old call in Idaho Falls
29. Just Fine(d) in Kansas City
31. CBS for Tara
32. Kennedy's -- 109
33. Indian abode
34. Shared time with KOY-tv
35. CTV in Winnipeg
36. Dragnet's venue
38. chow down
39. KELO-land Es regular
40. CJBRT competitor
41. ABC in Evansville
43. director's signal
45. now KTVY
46. audio/visual medium
47. on State St., that great street
48. Was licensed to Davenport
50. Former Mitchell/Hee Haw call
51. a Capitol place
53. Nero's nine
54. nee KFEQ
55. astronaut feat
57. moved from 4 to 3 in GA
58. monster name
59. do you know this Memphis U?
61. pertaining to
62. you may have known it as KCKT
65. almost like news
68. Bermuda's first
69. informal greeting
70. PBS in Madison
71. auto engine design feature
73. Deep in the heart of Texas
74. preceded KHJ
75. First in Saskatoon
76. what OXers like to see
77. Paper that owned ex-KMJ

DOWN

1. NBC in Peoria
2. Used to be KOAI
3. Head of state
4. Seattle's first
5. Not she
6. European mountain
7. PBS in Nashville, TN
8. Tallahassee's 27
11. Was KGLO
13. Transmitter on Red Mtn.
14. Crosley flagship
16. Now WOTV
17. Big skipper from Buffalo
19. Dead in Rossville
20. electronic hunter's prey
22. They're '4' Oak Hill
23. CBS for 'Garden of the Gods'
24. moved to West Monroe from KS
25. Sister of 39 across
26. travel term
28. Ozark 'color'
29. Ch 3 serving Moscow
30. CBS in OKC
31. Queen City's 12
37. Hates 'Sink the Bismarck'
39. HQ for 39 across & 25 down
40. Half of 2 in Regina
42. Bluegrass U
44. High atop Hogback Mtn.
45. Reincarnated in Boston
47. PBS in NYC
48. Onondaga's 10
49. Babe the Blue --
52. Big bender
54. Was 9 in Kalispell
56. short for very
58. coffee, tea, -- me?
59. has weak signal in Broward Cty
60. Not you
62. Coverage includes Monahans
63. Nipponese giant
64. Bats might like this one
65. Deleted 19 in Cleveland
65. U. of Iowa commercial operation
67. Pioneer in Spokane
70. Cox Bdstng flagship
71. -- Thee I Sing.
72. metric measurement

SUBMITTED BY: TOM BRYANT
(ANSWERS IN NEXT MONTH'S V.U.D.)

modify your radio for better selectivity

by BILL NIENAJADLY

By simply changing the ceramic filters in your tuner/radio a noticeable increase in adjacent channel reception should result. This DX-ER replaced the FM ceramic filters in his G.E. SUPER-RADIO and also in his SONY ST-J60 with some amazing results.....

Before the modification I was lucky if I got 96.1 at 60 miles on the SONY....after the modification the results were quite dramatic. The SONY now gets Philly, Hartford, Del., R.I. & other adjacents with little problem now!....On the Super Radio the results were almost as good with a almost 94.1, 96.1 PA adjacents & some other adjacents are now opened up on the SUPER RADIO. Remember this DX-ER lives only 12 miles from NYC!

Please keep in mind that this modification will do nothing to improve image problems nor will it turn your boombox into a Mac-78! But if your problem is trying to get adjacents then you might benefit from changing the ceramic filters in your set.

The company you can buy the filters from is called DIGI-KEY, phone number (800) 344-4539, they are located at 701 Brooks Ave South, Thief River Falls MN 56701-0677.

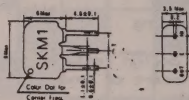
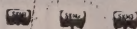
The part is CFSK Series FM Ceramic Filter, Digi-Key Part # TK2307 - 180 KHz bandwidth, OEM (original equipment manufacturer) part # TK-2203-ND, Toko part # SK107M3-AO-20

The cost is \$1.26 each...or \$10.50 for 10.....call ahead for postage & handling costs..... IF YOU ARE NOT SURE OF WHAT YOU'RE DOING DON'T ATTEMPT THIS YOURSELF, IT INVOLVES SOLDERING AND SOME KNOWLEDGE OF CIRCUITRY, YOUR BEST BET IS TO SEEK OUT A HAM FRIEND OR A TV/RADIO REPAIR SHOP TO DO IT FOR YOU!

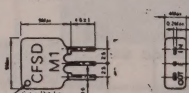
GOODLUCK
&
GOODXING!
Bill

FM Ceramic Filters

CFSK Series
(Ultra-mini Size: Low
Temperature Coefficient)



CFSD Series
(Flat Group Delay Characteristic)



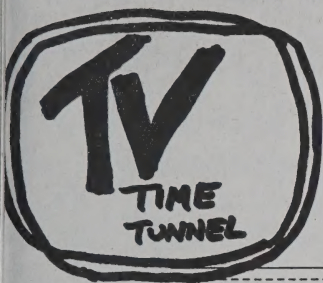
Center Frequency
10.7MHz



Test Condition

$R_1 = R_2 = R_3 = 330\Omega$
 $C_1 = 150pF$ (include E.V.Cap.)

Filter	Part No.	Bandwidth	Insertion Loss	Return Loss	Part No.	Bandwidth	Insertion Loss	Return Loss	Part No.
CFSK	TK2307	180 KHz	1.26	10.50	TK2307	180 KHz	1.26	10.50	TK2307
CFSD	TK2308	180 KHz	1.26	10.50	TK2308	180 KHz	1.26	10.50	TK2308
CFSD	TK2309	180 KHz	1.26	10.50	TK2309	180 KHz	1.26	10.50	TK2309
CFSD	TK2310	180 KHz	1.26	10.50	TK2310	180 KHz	1.26	10.50	TK2310
CFSD	TK2311	180 KHz	1.26	10.50	TK2311	180 KHz	1.26	10.50	TK2311
CFSD	TK2312	180 KHz	1.26	10.50	TK2312	180 KHz	1.26	10.50	TK2312
CFSD	TK2313	180 KHz	1.26	10.50	TK2313	180 KHz	1.26	10.50	TK2313
CFSD	TK2314	180 KHz	1.26	10.50	TK2314	180 KHz	1.26	10.50	TK2314
CFSD	TK2315	180 KHz	1.26	10.50	TK2315	180 KHz	1.26	10.50	TK2315
CFSD	TK2316	180 KHz	1.26	10.50	TK2316	180 KHz	1.26	10.50	TK2316
CFSD	TK2317	180 KHz	1.26	10.50	TK2317	180 KHz	1.26	10.50	TK2317
CFSD	TK2318	180 KHz	1.26	10.50	TK2318	180 KHz	1.26	10.50	TK2318
CFSD	TK2319	180 KHz	1.26	10.50	TK2319	180 KHz	1.26	10.50	TK2319
CFSD	TK2320	180 KHz	1.26	10.50	TK2320	180 KHz	1.26	10.50	TK2320
CFSD	TK2321	180 KHz	1.26	10.50	TK2321	180 KHz	1.26	10.50	TK2321
CFSD	TK2322	180 KHz	1.26	10.50	TK2322	180 KHz	1.26	10.50	TK2322
CFSD	TK2323	180 KHz	1.26	10.50	TK2323	180 KHz	1.26	10.50	TK2323
CFSD	TK2324	180 KHz	1.26	10.50	TK2324	180 KHz	1.26	10.50	TK2324
CFSD	TK2325	180 KHz	1.26	10.50	TK2325	180 KHz	1.26	10.50	TK2325
CFSD	TK2326	180 KHz	1.26	10.50	TK2326	180 KHz	1.26	10.50	TK2326
CFSD	TK2327	180 KHz	1.26	10.50	TK2327	180 KHz	1.26	10.50	TK2327
CFSD	TK2328	180 KHz	1.26	10.50	TK2328	180 KHz	1.26	10.50	TK2328
CFSD	TK2329	180 KHz	1.26	10.50	TK2329	180 KHz	1.26	10.50	TK2329
CFSD	TK2330	180 KHz	1.26	10.50	TK2330	180 KHz	1.26	10.50	TK2330
CFSD	TK2331	180 KHz	1.26	10.50	TK2331	180 KHz	1.26	10.50	TK2331
CFSD	TK2332	180 KHz	1.26	10.50	TK2332	180 KHz	1.26	10.50	TK2332
CFSD	TK2333	180 KHz	1.26	10.50	TK2333	180 KHz	1.26	10.50	TK2333
CFSD	TK2334	180 KHz	1.26	10.50	TK2334	180 KHz	1.26	10.50	TK2334
CFSD	TK2335	180 KHz	1.26	10.50	TK2335	180 KHz	1.26	10.50	TK2335
CFSD	TK2336	180 KHz	1.26	10.50	TK2336	180 KHz	1.26	10.50	TK2336
CFSD	TK2337	180 KHz	1.26	10.50	TK2337	180 KHz	1.26	10.50	TK2337
CFSD	TK2338	180 KHz	1.26	10.50	TK2338	180 KHz	1.26	10.50	TK2338
CFSD	TK2339	180 KHz	1.26	10.50	TK2339	180 KHz	1.26	10.50	TK2339
CFSD	TK2340	180 KHz	1.26	10.50	TK2340	180 KHz	1.26	10.50	TK2340
CFSD	TK2341	180 KHz	1.26	10.50	TK2341	180 KHz	1.26	10.50	TK2341
CFSD	TK2342	180 KHz	1.26	10.50	TK2342	180 KHz	1.26	10.50	TK2342
CFSD	TK2343	180 KHz	1.26	10.50	TK2343	180 KHz	1.26	10.50	TK2343
CFSD	TK2344	180 KHz	1.26	10.50	TK2344	180 KHz	1.26	10.50	TK2344
CFSD	TK2345	180 KHz	1.26	10.50	TK2345	180 KHz	1.26	10.50	TK2345
CFSD	TK2346	180 KHz	1.26	10.50	TK2346	180 KHz	1.26	10.50	TK2346
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CFSD	TK2349	180 KHz	1.26	10.50	TK2349	180 KHz	1.26	10.50	TK2349
CFSD	TK2350	180 KHz	1.26	10.50	TK2350	180 KHz	1.26	10.50	TK2350
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CFSD	TK2355	180 KHz	1.26	10.50	TK2355	180 KHz	1.26	10.50	TK2355
CFSD	TK2356	180 KHz	1.26	10.50	TK2356	180 KHz	1.26	10.50	TK2356
CFSD	TK2357	180 KHz	1.26	10.50	TK2357	180 KHz	1.26	10.50	TK2357
CFSD	TK2358	180 KHz	1.26	10.50	TK2358	180 KHz	1.26	10.50	TK2358
CFSD	TK2359	180 KHz	1.26	10.50	TK2359	180 KHz	1.26	10.50	TK2359
CFSD	TK2360	180 KHz	1.26	10.50	TK2360	180 KHz	1.26	10.50	TK2360
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CFSD	TK2383	180 KHz	1.26	10.50	TK2383	180 KHz	1.26	10.50	TK2383
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CFSD	TK2396	180 KHz	1.26	10.50	TK2396	180 KHz	1.26	10.50	TK2396
CFSD	TK2397	180 KHz	1.26	10.50	TK2397	180 KHz	1.26	10.50	TK2397
CFSD	TK2398	180 KHz	1.26	10.50	TK2398	180 KHz	1.26	10.50	TK2398
CFSD	TK2399	180 KHz	1.26	10.50	TK2399	180 KHz	1.26	10.50	TK2399
CFSD	TK2400	180 KHz	1.26	10.50	TK2400	180 KHz	1.26	10.50	TK2400



Submitted by Tom Bryant
849 Todd Preis Dr.
Nashville, TN 37221

THE HISTORY OF TELEVISION [Part Three]

Color System Changed:

Although the CBS 'field sequential' color system had become the national standard in 1950, the Commission was not completely satisfied with it and the door was left open for acceptance of a better system if and when it became available. CBS began limited color broadcasts on June 25, 1951, but ran into problems. Because of a materials shortage a prohibition of the manufacture of color tv sets for the public was imposed in late 1951. Interest in the CBS system dwindled. Meanwhile, RCA had developed a new system for 'compatible color', receivable both in color and on existing monochrome sets. This system was opposed by CBS but advocated by the industry through it's National Television Systems Committee (NTSC). The system was formally adopted by the FCC on December 17, 1953.

The Freeze Ends:

On April 14, 1952 the FCC re-opened tv to expansion. The first new licenses were awarded to three Denver applicants on July 11, 1952. During the freeze the Commission had formulated a plan that added 70 UHF channels (between 470 and 890 MHz) to the 12 remaining VHF channels (54-216 MHz). It adopted a table making more than 2000 channel assignments to nearly 1300 communities, including 242 assignments reserved for non-commercial/educational use. The minimum effective radiated power of TV stations was set at 100 watts. The maximum ERP varies with antenna height and geographical location (no minimum height above average terrain is specified). Except in limited restricted zones, maximum power on VHF channels 2-6 is 100 kW; on channels 7-13 it is 316 kW; and on UHF channels 14-69 it is 5,000 kW with no zonal restrictions. At the same time separation of stations on the same and adjacent channels was determined by dividing the country into three zones; some of which had unique or unusual propagation characteristics. The goal of this facet of allocation was to minimize or eliminate co-channel and adjacent channel interference.

More Milestones:

On September 4, 1951 the first coast-to-coast telecast showed President Truman opening the Japanese Peace Treaty Conference at San Francisco. The Republican and Democratic National Conventions were broadcast nationwide for the first time in 1952. The first hour-long program in the new RCA compatible color system was televised on October 31, 1953. Two months later, on New Years Day 1954, the Tournament of Roses parade became the first program to be shown in color on a nationwide network. On May 12, 1955 a videotape recording of a color program was transmitted over a closed circuit from New York City to St. Paul, Minnesota. WNBQ (now WMAQ-TV) became the world's first all-color station on April 15, 1956 when it commenced colorcasting of all locally originated programs.

[to be continued next month]

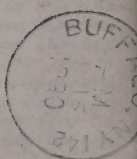


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